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<120> 207 Human Secreted Proteins

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cttaggtcag	aaaaatgaat	aaataagcat	aaaattttta	aaacttagcc	aggcatgggtg	720
gcacacatct	gtgggtccctg	ctacttagga	ggctgagggtg	agaggatcct	tgagcccagg	780
agggtcaacac	tacagtgagc	tatgattgtg	ccactaaact	ccaacctggg	tgaaaaagca	840
aaaacctgcc	aaaaaaaaaa	aaaaaaact				869

<210> 19
<211> 959
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (930)
<223> n equals a,t,g, or c

<400> 19

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aaaaaaaaaa	aattataata	ctatatgcc	taaaatgaca	tttcatattt	aaagagtttt	120
ttaaaactct	tgtattcaca	tgccataatt	tgaaacccta	tttactgaa	tgagaatggt	180
atctgttgto	ctcatttttt	catttttatc	cttaacaatt	tccaccacag	ccagtgcata	240
taatggcaat	gacacccagg	gatggaatga	taagttccat	crcmgctcag	tcaagacgca	300
gacttgatgt	ggccccaaca	acagtcaata	atggagtctc	caaaataaag	ctctatagga	360
aaggtaaata	ccgctgcac	aagaaaccac	agcatctagg	ttctaaccoc	atctctatga	420
agagcttgct	gggagagttt	tgacattwaa	caatctgtct	gatkgccaat	tttyttcttc	480
tataaaatga	taatgttkga	ytcaaagato	caaagtcaat	tcatgggtcta	aaacttaatg	540
atttttttag	gttttgkgac	atttcaactgt	acactgtagt	aattttatata	ttattttccc	600
actaatttag	aaaaatatyt	aaatgatcct	taattggcaa	tgggtcctaa	gaattttggt	660
ttaaatocct	gttaccocaa	agagcccttt	tttgtatctc	gcagtagtta	caaggatctt	720
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<210> 20
<211> 1446
<212> DNA

<213> Homo sapiens

<400> 20

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tggttttggg	gttttcctgc	ttgtgccaag	ggctggacac	tgctgggggg	ctggaaagcc	180
cctcccttcc	tgtccttctg	tgccctccat	ccctcatgg	gtgctgccat	ccttcctgga	240
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gctggggcag	gaccgggaga	gggagcactg	ctgcctcct	ggccctgctc	cttccgcagt	360
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gaagtgtcct	gagtgaagga	ggggaacccc	atcctggggg	atgctgggag	tgagtgagtg	600
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ccgggcccc	gcctgcctcc	ctcctgccc	cctggcccac	aggtctccct	ctggtccctg	720
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aaagctttat	ttaaagccaa	aaaaaaaaaa	aaaaaactcg	aggggggggc	cgtacccaat	1440
tcgcca						1446

<210> 21

<211> 1471

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1470)

<223> n equals a,t,g, or c

<400> 21

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tttagtgata	tgtaaataaa	ggatcttaca	atagtcatat	atttttatat	gaatgaatgt	180
tggttggggc	tggagaggta	tgtgtgtgta	aatataaagg	tctcacattc	agagtatagc	240
tctgaaataa	tggaaactcat	gtctacaatt	caacatgcat	ctgtatagtt	acatctcatg	300
taaaataaca	cagacatat	ttgcagccag	taattgacag	ttaatgtcca	aaacagggtga	360
ttgataggta	acagaaaatta	gataaccacc	aattttgccc	aagagaaaga	ctagaaggac	420
taaaagcagt	tgaatgtatg	gtactgacat	tgtcataagc	agtcgtgata	ccagtttatt	480
gaaacgtgtg	cattaacaga	gaatttaatt	ttaaaccocat	aattttctcct	atccattaaa	540
atattataat	tgtagtagt	atgaaaccaa	caggaaatgt	tttttaataca	tttagtgagg	600
tgattcattt	gtttcatggg	caaacactat	ccaggaaaag	ccttgcttgc	ctgtttccca	660
aagagctcta	agaaatagaa	tcaagtgtaa	aatgggttcag	accattcagg	atttcttgct	720
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tcttcagatt	taccctaaga	taccttcggg	caatattttt	aaccaaccca	aaagctcttc	960
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ctactgaatg	aatcagaaag	gaattttttc	tgaagagcat	tagaaagtaa	aggagatggt	1080
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ttcaaagtgt	tattcaaaaag	aagtactgat	ttgtaattat	tatagtttgt	gtgtatcatc	1200
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gaaaatatat	tagaaaatca	gctttggatt	atacgatttc	taaaatatac	taatacagaa	1380
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atcaaccaga	aaaaaaaaaa	aaaaaaattn	c			1471

<210> 22
 <211> 1402
 <212> DNA
 <213> Homo sapiens

<400> 22						
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catgagctgc	cagagctgac	ggcggagagt	ttggaagcag	gtgacagtaa	ccaattttgc	120
tggaggaacc	tcttttcttg	tatcaatctg	cttcggatct	tgaacaagct	gacaaagtgg	180
aagcattcaa	ggacaatgat	gctgggtggg	ttcaagtcag	ccccatctt	gaagcggggc	240
ctaaagggtga	aacaagccat	gatgcagctc	tatgtgctga	agctgctcaa	ggtacagacc	300
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cgctatgacc	gggcccacag	caaccctgac	ttcctgccag	tggaacaactg	cctgcagagt	540
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ataaaaaaaaa	aaaaaaaaaa	ct				1402

<210> 23
 <211> 1047
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (301)
 <223> n equals a,t,g, or c

<400> 23						
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agatgggggt	tcacgatgtc	gccaggctg	gtcttgaact	cctgggcttg	agcgatcttc	120
ccatctttcc	atcttggcct	cctaaagtgc	tgggactgca	ggcatgagcc	accatgccca	180
gccaagattc	ttattgatra	ccatgttgct	tcaagaagcc	aagccagttt	ccaatattcc	240
ccatttgctg	gagtccttgg	accttgggta	gaagcaactg	gtaaattggt	aattggaaca	300

nttgggtggtg	tagataacca	cgtatggcca	aacctagagc	atctaggctc	acaattacta	360
tcttgacttg	ataacaagtg	ttctgatatt	aacctgaaaa	tgggaataat	gccaaatctg	420
tgtaacttaa	catctatata	cacagtgggg	agaactgaag	ttattaaacc	tggaatctct	480
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tccttatgtg	tctaataaat	cttgttccat	gaaatgatca	aaaaaaaaaa	aaaaaaaaact	1020
cgaggggggg	cccggtaccc	aatcgc				1047

<210> 24

<211> 990

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (834)

<223> n equals a,t,g, or c

<400> 24

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caggatcaag	tggtggaagg	cttgcaaggt	ggcttcagcc	agattcataat	gcggatcctc	180
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actgttcaaa	caaaagacca	gtatggggat	gtggtacatg	ttcccaatat	gaaggtaatt	300
ataactggat	taaattagca	gacatctata	tactggctgc	aatgactgat	aaaatttttag	360
aatgccaag	tgctgagrgt	ccatttggtc	taccctcttt	atataaaggg	tgatgctgaa	420
agtttgttta	aatgacttgt	ttatattaat	tagtccccaa	gtgtccaagt	tacacctggt	480
ttttttgtga	gtttgttctt	tacattttgc	tacctgttac	ggggactcaa	aggagggata	540
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ttgaataaat	gcatgaaaga	atacattttt	aaattttgtg	tatagttttg	aaagactcaa	660
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atattataca	taattatttg	tgatttaatc	tgtaatatg	aatatctcat	ttaaaacttt	900
tatttctgaa	aaaatttatat	tgaataaaat	tttatatagg	cagtccccag	cccttctcctc	960
cttcaaagtt	gtcttataga	gtgatttggtt				990

<210> 25

<211> 1208

<212> DNA

<213> Homo sapiens

<400> 25

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ccacgcgtcc	gagcgaaatg	gcgcctccgg	cccccgccc	ggcctccggc	ggctccgggg	120
aggtagacga	gctgttcgac	gtaaagaacg	ccttctacat	cggcagctac	cagcagtgca	180
taaacgaggg	gcasgggtga	agctrtcaag	cccagagaga	gacgtggaga	gggacgtctt	240
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ctcctcgggc	cctgagctcc	aggcgcgtgc	catgtrtget	gactacctcg	cccacgagag	360
tgggaggggac	agcatcggtg	ccgagctgga	ccgagagatg	agcaggagck	tggaactgac	420

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ctcaactcca	rggtgttcca	cctgaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1200
aaaaaaaa						1208

<210> 26

<211> 1922

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1022)

<223> n equals a,t,g, or c

<400> 26

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ctccttggca	cttccaagct	ggcatcttgc	cccttgacaa	cagaataaaa	attttagctg	1860

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aa 1922

<210> 27
<211> 1951
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1892)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1930)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1934)
<223> n equals a,t,g, or c

<400> 27
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agtacacgct ggtggttagat gagcatgcac agctggagct ggtgagcctg cgccgtgctt 180
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<210> 28
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 <212> DNA
 <213> Homo sapiens

<220>
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<400> 28

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 <213> Homo sapiens

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<220>
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<220>
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<220>

<221> SITE
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<400> 30

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<210> 32

<211> 3186

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (666)

<223> n equals a,t,g, or c

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<221> SITE

<222> (682)

<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<400> 32

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<210> 33

<211> 971

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (957)

<223> n equals a,t,g, or c

<220>
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 <222> (964)
 <223> n equals a,t,g, or c

<400> 33
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<210> 34
 <211> 1792
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1767)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1768)
 <223> n equals a,t,g, or c

<400> 34
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<210> 35

<211> 896

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (870)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (877)

<223> n equals a,t,g, or c

<400> 35

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aaagaacttt	ccaggtcagc	cggacagctc	cagcagctcc	acgttccagg	cagcctcgmc	360
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<210> 36
 <211> 912
 <212> DNA
 <213> Homo sapiens

<400> 36
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 cccaagtcag gactcagacc aggtcccaca ctgagctgcc cacactcgag agccagatat 840
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 cttgttctctg ag 912

<210> 37
 <211> 1382
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (787)
 <223> n equals a,t,g, or c

<400> 37
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aa

1382

<210> 38

<211> 872

<212> DNA

<213> Homo sapiens

<400> 38

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<210> 39

<211> 812

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (794)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (806)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (810)

<223> n equals a,t,g, or c

<400> 39

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<210> 40

<211> 1515

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (69)

<223> n equals a,t,g, or c

<400> 40

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aaaaaaaaaa	aaaaaa					1515

<210> 41

<211> 704

<212> DNA

<213> Homo sapiens

<400> 41

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accagttttg	caaggagttc	aatgagagga	caaaggacat	caaggaggc	attcctctgc	120
ctaccaagat	tttagtgaag	cctgacagga	catttgaaat	taagattgga	cagccactg	180
tttctacttt	cctgaaggca	gcagctggga	ttgaaaagg	ggcccggcaa	acagggaaag	240
aggtggcagg	cctggtgacc	ttgaagcatg	tgtatgagat	tgcccgcatc	aaagctcagg	300
atgaggcatt	tgccctgcag	gatgtacccc	tgctgtctgt	tgcccgctcc	atcatcgggt	360
ctgcccgttc	tctgggcatt	cgcgtgggtg	aggacctcag	ttcagaagag	cttgagcttt	420
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aagaagctgc	caagaagtga	cccttgcccc	accaaactccc	agattttcaaa	ggaggttagtt	540
gcaaaagctg	tgcccaaggg	gaggaaggag	gtcacaccaa	tatgatgatg	gttttcatga	600
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<210> 42
 <211> 1094
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (196)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (226)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (302)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (596)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (952)
 <223> n equals a,t,g, or c

<400> 42		
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acatagttgc	agttactgca ttgaatacct gtgggtttgc ctgttggtct gtctgtctct 180	
gtggttcttg	taatantgga toccagagat aaaaaggaca gttgtnatgc acagttaatt 240	
cagaaactag	accttacttg ctgtgtgaaa taccaactaa attctcagtg aactcagctg 300	
anctttatct	ccttttgttt ccccaattta taatttcagt tcaggccag aaagatggaa 360	
tcccagctaa	gaaatacaag ttacaccctg tactagcagc ccatgtgtgc atgttcttta 420	
agtgtctctg	cagctatgtc atttatattg atttcctgt attattataa gcaaagcaaa 480	
tttgaggaaa	aaaaccata ataccacacc tcattttttt caagtaatag ggtcataagt 540	
ctcatyctyc	atataatatg ttgagtatgc agtatattat gtgttaggct ctgganaggc 600	
agaggtaga	tcagtwwaca gatcatatck gattaggcag ataaacagta ttttaacctt 660	
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acacacwaa	aatttgcagc tgggtggggc atgtgcttgt agtcccactt agctactcga 1020	
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<210> 43
 <211> 1821
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1801)
 <223> n equals a,t,g, or c

<400> 43

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ttgtgtagtc	ttagctgtat	gctgaaattg	ggcgtgtgtt	ggagggcttc	ttagctcttt	180
ggtgagattg	tattttctatg	tgtttgtatc	asctgaatgt	tgctggaaat	aaaaccttgg	240
tttgtmaagg	ctcytttttg	tgggaagtaa	gtaggggaaa	aggtctttga	gggttcctag	300
gctcctttgt	acaacaggaa	aatgcctcaa	agccttgctt	cccagcaacc	tggggctggt	360
tcccagtgcc	tggtcctgcc	ccttcctggg	tcttatctca	aggcagagct	tctgaatttc	420
aggccttcat	tccagagccc	tcttgrggcc	aggccttcct	ttgctggagg	aaggtacaca	480
gggtgaagct	gatgctgtac	ttgggggatc	tccttggcct	gttccaccaa	gtgagagaag	540
gtacttactc	ttgtacctcc	tggttcagcca	ggtgcattaa	cagacctccc	tacagctgta	600
ggaactactg	tcccagagct	gaggcaagg	gatttctcag	gtcatttgga	gaacaagtgc	660
tttagtagta	gtttaaagta	gtaactgcta	ctgtatttag	tgggggtggaa	ttcagaagaa	720
atttgaagac	cagatcatgg	gtggtctgca	tgtgaatgaa	caggaatgag	ccggacagcc	780
tggctgtcat	tgctttcttc	ctccccattt	ggaccttct	ctgcccttac	atttttgttt	840
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cctcttggct	tgattttgct	tctttctttc	tgtggaggat	atactaagtg	cgactttgcc	960
ctatctatt	tggaaatccc	taacagaatt	gagttttcta	ttaaggatcc	aaaaagaaaa	1020
acaaaatgct	aatgaagcca	tcagtcaagg	gtcacatgcc	aataaacaat	aaattttcca	1080
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ggaaaacacc	ttgtctgcat	tcacttttaa	atgtcaaaac	taatttttat	aataaatggt	1740
tattttcaca	ttgaaaaaaa	aaaaaaattt	aaaaacycgg	ggggggcccs	gwaccccat	1800
ngcccctaag	gggggggggtt	t				1821

<210> 44
 <211> 1024
 <212> DNA
 <213> Homo sapiens

<400> 44

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cctcgggcta	tgggacccag	aacattcgac	tgagccggga	tgccgtgaag	gacttcgact	180
gctgttgtct	ctccctgcag	ccttgccacg	atcctgttgt	caccccagat	ggctacctgt	240
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cggcctcgca	ggaccatgtg	cggggcttcc	tggagaagga	gtcggctatc	gtgagccggc	420
ccctcaaccc	tttcacagcc	aaggccctct	cgggcaccag	cccagatgat	gtccaacctg	480

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gagacaaact	cacagaccgc	gacatcatcg	tgtgtcagcg	gggcgggtacc	gsttcgcggg	900
ctccggagtg	aagctgcaag	cggagaaatc	acggccgggtg	atgcaggcct	gagtgtgtgc	960
gggagaccaa	ataaacccgc	ttgggtgcgc	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1020
aaaa						1024

<210> 45

<211> 983

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (976)

<223> n equals a,t,g, or c

<400> 45

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gcccctggga	acaagccgga	gctgtatgag	gaagtgaagt	tgtacaagaa	cgcccgggag	180
agggagaagt	acgacaacat	ggcagagctg	tttgcgggtg	tgaagacaat	gcaagccctg	240
gagaaggcct	acatcaagga	ctgtgtctcc	cccagcgagt	acactgcagc	ctgtctcccg	300
ctcctgggtc	aatacaaagc	tgccttcagg	cagggtccagg	gctcagaaat	cagctctatt	360
gacgaattct	gccgcaagtt	ccgcctggac	tgcccgcctg	ccatggagcg	gatcaaggag	420
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caactcactg	tctgcagctg	cctgtctggt	gtctgtcttt	ggtgtcagaa	cttttggggc	900
gggccccctc	ccacaataaa	gatgctctcc	gaccttcaaa	aaaaaaaaaa	aaaaaaaaagr	960
kgsggcegg	ccccantccc	ccc				983

<210> 46

<211> 2421

<212> DNA

<213> Homo sapiens

<400> 46

ccggctgate	gctgcgcgtc	cgccaatata	atagagccak	ccactaccag	cagcctggcc	60
ctcttctctc	ttctccagag	agaccaatcc	agccgaactc	ggggtttgcc	tgaggagaag	120
gaggaagtga	ccatggacac	aagtgaaaac	agacctgaaa	atgatgttcc	agaacctccc	180
atgcctattg	cagaccaagt	cagcaatgat	gaccgcccgg	agggcagtg	tgaagatgag	240
gagaagaaag	agagctcgct	gcccacaaat	ttcaagagga	agatctccgt	tgtctcagct	300
accaaggggg	tgccagctgg	aaacagtgac	acagaggggg	gccagcctgg	tcggaaacga	360
cgctgggggag	ccagcacagc	caccacacag	aagaaacctt	ccatcagrat	caccactgaa	420
tcactaaaga	gcctcatccc	cgacatcaaa	cccctggcgg	ggcaggaggc	tgttctggat	480
cttcatgctg	atgactctcg	catctctgag	gatgagacag	agcgtaatgg	cgatgatggg	540
acccatgaca	aggggctgaa	aatatgcggg	acagtcactc	aggtagtacc	tcagaggggc	600

caggagaatg	ggcagagggg	agaagaggaa	gaagagaagg	aacctgaagc	agaacctcct	660
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gagttgttgg	ggcgacacag	aaccttgggtg	gaagaggcct	tctggattga	caagatcaaaa	960
tctcattgct	ttgtaacgta	ctcaacagta	gaggaagctg	ttgccacccg	cacagctctg	1020
cacgggggtca	aatggcccca	gtccaatccc	aaattccttt	gtgctgacta	tgccgagcaa	1080
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<210> 47

<211> 840

<212> DNA

<213> Homo sapiens

<400> 47

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cgcacccaac	ctcaataagc	ktatttgata	aaakatatgc	aagctccctt	tatkcacttt	120
tcattcagaa	tgttttagtaa	tttgatttgt	ttttcagatt	ttcagcccaa	tatatctocy	180
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attcacagct	ttctgggttt	aaagcccaag	ctctatcaca	tcatgctatt	attgttacat	720
tactgctagt	tctatgaaaa	gaaatactaa	tttatgaaat	acatcttata	caaaaaaaaa	780
aaaaaaaaac	tgggaggggg	ggcccgtacc	caaatcgccg	gatagtgatc	gtaaacaatc	840

<210> 48

<211> 2432

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (593)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2049)

<223> n equals a,t,g, or c

<400> 48

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cggaagagac	tggcggastg	ctggtctccg	tcctggaaca	gggcttgcca	ccctcccacc	240
gtgtcatctg	gctgcagagt	gtccgaatcc	tgtcccggga	ccgcaactgc	ctggaccctg	300
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<210> 49

<211> 1742

<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (570)
<223> n equals a,t,g, or c

<400> 49
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gttttgtttc gttcacctct gtctagatgc aacttttgtt cctcctcccc caccocagcc 180
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cg 1742

<210> 50
<211> 1487
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1486)
<223> n equals a,t,g, or c

<400> 50
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cgtaaaactga	gctttttctaa	cgtgggtttc	tgccaagtac	ttttccagct	gcccccttcc	240
ccccagcaca	caggagagcc	tctgtgtagc	cagcgcttga	cagtcgttag	gtagggttgta	300
ctgtgtaggg	aggagctcaa	gatcatgaat	ggtgtgcaca	ggagaaagcg	ggtgcacctt	360
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agttcacact	ggcacattct	cagggctgtg	cagattattt	gcactttatt	tcataggtgr	480
ataagtgcct	tttagctttc	tttgatatatt	gagttgcttt	tgaattgctt	cccatatttt	540
tatttcatac	aaactgaaca	attgtggccc	ctctatttta	tttataaagg	ttcagtgtat	600
ctttgcctgc	ctacatcaat	ctgcaaggga	ggtgcagaaa	gcctcatggt	catcgagccg	660
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tcaatttttg	gcaaaatact	gcctctgcac	ttgttcataa	caaaaagatt	agattaataa	1260
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tgggtctcag	ctggtttacgt	ctgactcctt	gacttctttg	gtacagtgat	ggagtcagat	1440
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<210> 51
 <211> 1328
 <212> DNA
 <213> Homo sapiens

<400> 51						
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tggccttgcc	gaagaactgg	aaaaagagaa	gtcaaggga	cagatgagct	cccaacccaa	180
gtcagcttgt	ggaaaactgct	acctgggcca	tgcttccgc	tgtgccagct	gccccacct	240
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agagtgggtg	cttagcagac	agagtgaagc	tggctggggg	gcacagtggg	gtgtagtgtc	480
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acaatacgtc	tctctgagca	gagacccctt	tgttcttgtt	atccacccat	atggacttgg	1200
aatcaatctt	gcaaatattt	tggagagatt	gtgtggattt	aagagacctg	gatttttata	1260
ttttaccagt	aaataaaaagt	tttcattgat	atctgtcctt	gaaaaaaaaa	aaaaaaaaaa	1320
aaactcga						1328

<210> 52

<211> 1856
 <212> DNA
 <213> Homo sapiens

<400> 52

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cctagattaa	attccccggg	ctgaaactga	gttgacagatt	tacaatatca	tattttaaat	120
tgctgtcttc	aattaaacca	tttatgacca	taactaattt	tcaggatgtc	gatgcatgct	180
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tttgattatc	tttctatctc	ttttatctat	ttctcattta	cttaagaaat	tcgttccatt	420
ggttggcatt	gatacagtaa	atgtgtaaat	gaggagacaa	tataaaaaat	ctaaattact	480
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tagtttgata	gatttgcaag	ctatgctgct	tccatgaagt	tagctgcgct	ggtaggaacg	600
caggettctt	tgtctctggt	tgtagcttgc	atgatcgccc	cattaggcag	acaacgtagc	660
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ggggtaaatg	tttacttcaa	aatgactoca	tatttcaaag	atctgttttag	actgtgaagg	1740
ccaaataaatt	tttaagaaaa	catttgaaga	gtagtgtgtt	tgcatattgtg	aataatctta	1800
ctcacagcaa	gtaaacgtaa	taaaagccaa	cattttaagcc	aaaaaaaaaa	aaaaaa	1856

<210> 53
 <211> 1558
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (17)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1514)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1551)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1556)
 <223> n equals a,t,g, or c

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 gcaattgtga gttgtgctgc tccagatata atctttaact cctttgcctt ctccacatac 240
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 atcttcaatc tatttcaatg ccccatcatc tcttgcatgg aggagtgtaa taattggcta 360
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 cctgttaaat ttgtaaaaaa tctaattaaa tggcatcagc actttaacca aaaaaaaaaa 1500
 aaaaaaaaaa aaanaaaaaa aaaagggggc cgctctagag gtccaagtta ngacgngg 1558

<210> 54
 <211> 948
 <212> DNA
 <213> Homo sapiens

<400> 54
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<210> 55
 <211> 990
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (751)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (879)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (888)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (897)
 <223> n equals a,t,g, or c

<220>
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 <222> (899)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (901)
 <223> n equals a,t,g, or c

<400> 55	
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gtccgaagcc accaccatga gccagcaggg gaaaccggca atggcaccag tggggccatc	480
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cagccccctga caactttctc ctgcccctctc ttgcccana aacagcanaa gcagganana	900
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<210> 56
 <211> 1603
 <212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (328)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (788)

<223> n equals a,t,g, or c

<400> 56

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acgatactgg	gaatggacac	ccagaatata	ttgcatacgc	gcttgccct	gtgttcttta	300
tcattgggtct	ctttggcgtc	ctcatttngc	camctngctt	naagaagaaa	ggctatcggt	360
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gacagtgtga	atgaaaaacag	tgacactgtt	gggcaaactg	tccactacat	catgaaaaat	480
gaagcgaatg	ctgatgtytt	aaaggcgatg	gtagcagata	acagcctgta	tgatcctgaa	540
agccccgtga	ccccagcac	accagggagc	ccgccagtga	gtcctgggct	ttgtcaccag	600
gggggacgcc	agggaagcac	gtctgtggcc	atcatctgca	tacggtgggc	ggtgtwgtcg	660
agagggatgt	gtgtcatcgg	tgtaggcaca	agcggtgga	ctttataaag	cccactaaca	720
agtccagaga	gagcagacca	cggcgccaag	gcgaggtcac	ggtcctttct	gttggcagat	780
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ttagtggggc	tgaaaaccgtc	aatggggagg	tgccggcaac	acctgtgaag	agagaacgca	900
gtggcacaga	gtagcagggtg	agccgtgggt	ttgggtgacat	tgggggcaga	gtgggtgcagg	960
gtgaggagaa	ggtacttgga	gcctcccagg	tgctgtggca	gcataggaat	ggtatttgac	1020
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tgtctgccta	gagcttcttg	taaagaagtc	acaaacttag	tgctccagg	ggcttggctg	1140
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aactagaatt	cacatcacc	accatatagg	gcttgcatta	ccacgaggga	gaaagcacct	1260
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accaatgctt	tttcttttta	ttctgttggg	aaccagtttt	ctttgtgtca	cagttytgaa	1500
acctcaatac	gaatatctct	cttcccacca	aatatatttg	ggcaattgaa	aagccacagt	1560
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<210> 57

<211> 1052

<212> DNA

<213> Homo sapiens

<220>

<221> SITE
 <222> (250)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1051)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1052)
 <223> n equals a,t,g, or c

<400> 57
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 tttttccctg gaggactgac cagggatgcg gccagcaac atgttactaa atcatactct 120
 cctccctacc tttcccagac ctctcactcc tgcttggtgt tccaaccctg tctgtggcca 180
 gagtatacat tttggaacct cttcgaggcc atcctgcagt tccagatgaa ccatagcgtg 240
 cttcagcagn aaggccccgag acatgtatgc agaggagcgg aagaggcagc agctggagag 300
 ggaccaggct acagtgcagc agcagctgct gcgagagggg ctccaagcca gtggggacgc 360
 ccagctccga aggacacgct tgcacaaact ctcggccaga cgggaagagc gagtccaagg 420
 cttcctgcag gccttggaac tcaagcgagc tgactggctg gccgtcttg gcactgcctc 480
 agcctgaatg aggctggcca cctgccactt tgccctgccc tctgcctcca gggctccmct 540
 myccttcctt ttcttggtga aaggcacctc ctttctgat aatgaatggt gttccctttg 600
 cttggctggg gagcccccca ggccagggtt gctggccata gatacctttg ggctgcctgr 660
 gacaggctcc tgaggaggat tgagggtgaa agtctccac gagtacacta aacctaggtc 720
 tggtcaccaa tagggtttgg agagcaaagg gccacaactc atcagctgcc tgtctcttag 780
 atgcactttc tttttccacc agcacatcct tcaacacaca gaatttcagg gaagagtctc 840
 cccaaaaacc ctagctcttt acccttccat tttagccttc caccagctt ccacaaaaga 900
 tttggctcta ccttggatct gctagtaa atactaatagg caggcagtta tttgggtaag 960
 gaaaaaagg gtgggagaga cagaaaattt gccactgct gtcctcccc ttggstytc 1020
 acctgggatt tgctattgaa tctctaccct nn 1052

<210> 58
 <211> 814
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (6)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (32)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (751)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (770)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (784)

<223> n equals a,t,g, or c

<400> 58

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catagacttt	taaactggta	cggttcttag	agatgggtcct	tggccttctg	ttgttgttgt	120
kgtttttttc	tttttcttct	tctcttcttc	cttcttcttc	tcttctcttc	ctttcttctt	180
ttttttttca	gagtcttgct	ctgtcaccaa	gactggagtg	aagtgatgtg	atctcggctt	240
actgcaacct	gggaggcaga	ggttgcagtg	agtcgagatg	gtgccattgc	tctcgttttg	300
gcaacaagag	tgaaactctt	gtctcaaaaa	aaaaaaaaaa	atgagggtta	agacagtttt	360
gtcattactg	gtgggatctg	gtcacacaag	atagcattaa	acgtgacatg	gcacataaaa	420
ttgggttaaaa	aattttgttt	tttaattacg	taatgtaaaa	gccaacaaa	cacttttatgc	480
aagattggaa	tgtatcttca	aattcagatt	taataaacat	gtaaagatcc	tctgtatata	540
aaagttgtat	ttaatccctt	gtgccccaa	aatgctataa	aagatcccaa	gaatgttatc	600
tatgaaaaga	tagcaatagg	gaatggtgaa	caaataattt	aatttgccaa	ttctaaaaaa	660
catggactta	aaccccatga	aaacttggtt	ccatagtttt	aactgtttta	tggttccaat	720
acaaaaccag	agtggtttac	attccacaat	naccaaattt	gcatccaatn	ttggggtaat	780
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<210> 59

<211> 1215

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (345)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1024)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1098)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1186)

<223> n equals a,t,g, or c

<400> 59

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gagtgctctg	ctacactcgt	ccccctcctg	cctcatcttc	cttctcagcc	ttggttcctg	120
atgggaacag	aatggagggc	ctgagaacat	actttctaaa	tgcctttgac	ccaggaaccg	180

attatctata	tttgttccca	ttttccttca	cogtgacatt	ccagcattgt	ctgactgtga	240
ggtgggcctt	tgagagcctc	caggttcctc	aaaacaggcc	tgagcgatgg	gcatcacacc	300
ctctgcctac	ccacrtgcct	gcttacctgc	cagataacca	agtgnagatg	tctgcgagtg	360
gctagttttc	acattcttac	tagtgtttgg	ytacaccttg	ggcaaaggcc	ccctctaggc	420
cttgccccac	ctccatcaaa	cgcagacact	gtagtcagac	ctcagyaata	taggaggcaa	480
taatctttta	acagtgtttt	gcaaacaac	aaaagagaa	aaatcccagc	caggggaact	540
cgccacctgc	ccacgctagt	tccatccacg	ctcaagaccc	gcccttagac	caggcaggca	600
aaggccccc	tcacactcgg	ccactagtgg	ggtcctgagg	ccaagaaaga	aaccagaccc	660
tgtatgacaa	gttgggktct	ttccagaaca	cgacagaaac	agggggggcc	ccttggtaat	720
gccactccat	actccagaag	cattattcct	tatttgggac	agccaagggc	agattcacag	780
gttattgtag	gaataaagac	tagtttacia	aggaraaaga	gsccttgga	ttcccmagga	840
aaggtcaggt	tagggctcct	gtacccattc	tgttccacca	ctgtttgatc	tctctggcct	900
cccaccagga	atgccgtttc	ctttttatgg	atctgttggg	aaccagagag	aatcaacaga	960
tcaatgacat	aggatccgaa	gtgcaatgat	agtcacttct	agtttggcat	ttcaciaaact	1020
ctgnacagca	aggtattggg	aggttactca	atttcaaaa	ggcccatgg	ccaaatatgt	1080
ttaggaaccg	ctgtttgnat	ttcttttttt	ggagacgcat	tgtatataat	atatgtcaaa	1140
ggctttcgga	attcctgcag	gaaagaaatc	agctttgtta	aatccnaaaa	aaaaaaaaaa	1200
aaaaaaaaatag	actcg					1215

<210> 60
 <211> 478
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (410)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (476)
 <223> n equals a,t,g, or c

<400> 60						
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cagtggaggt	ctgctggctg	taatcattaa	ttgtgaaatc	taaggagctt	agttcatggc	120
tctagaattt	cacagaaaar	tgygmtatga	tacgagcatt	aagtttattt	cttctgatct	180
ttgatgcagc	tttgttcagt	ttatctgttt	ttgtatttat	tggtcatcta	cttcccatgc	240
caaaaggggac	tggtctacat	agctgcgcta	aacacctgat	caaatcacta	aaagaaaatg	300
tgttacctct	aatgaattat	cctgattgta	agttaaaaat	caatatttcc	ccgtagtggg	360
gtttgtcttt	taaaaagaak	kcttaaaaaa	aaaaaaaaaa	aaacgagttt	aagaaaagga	420
agcaagctca	ggtaagggtg	acacattggg	ctaaggaagc	tagagcctgt	ggagangc	478

<210> 61
 <211> 618
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (39)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (548)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (560)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (562)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (584)
 <223> n equals a,t,g, or c

<400> 61	
tatgaccttg ataaccceaa gttngaaatt aaccttcant aaaggggaaca aaagctggag	60
ttcgcgcgct tgcagttoga cactagtggga tcccaaagaa ttcggcacga gtcataatga	120
gctactaggt aagccttctg ggactttcag atattttggg gaagattgat ttttgttctt	180
acatgctgtg gacccttggc catcaaattg tatggggaag ctcattccgtc tgcctgtgat	240
ggtcattgtca gtcaggcgctc tttttagtat ttactgggtg ctcagtactg tgccagatgc	300
tgtcgggagc cgtgggtggtg tggaggagga gtgctccaga ggactctgct gtgtggcagg	360
ccagcataaa caagccaagg ggaaaaggca ggcatggaat aaagggggag aataccagtg	420
tgtgacttac tgctgactgt gtggattagc ctatcagcag taatcaagca gggcggaggg	480
cattatcttt gagccagaag agtgagcact ggscogaggg tggagcatca agaggggggtg	540
taggaccnca aggtctcttn cnggggagac aacgtcaata agcngtcagt agtcaccgac	600
agttttggga agcaaggg	618

<210> 62
 <211> 751
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (158)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (159)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (202)
 <223> n equals a,t,g, or c

<400> 62

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tctgctgcta	cagctcatag	aagtcacaaa	ttttcttcaa	cactggtagg	cagcctctaa	120
atggccctga	tcacccctcac	ctcctgccat	tcacaccnnt	gtaaaattcc	acccctggac	180
ctagtgaact	acttctaaca	angagaatac	agcaaaagta	acatcgcttc	tgagggtgagg	240
ctacaaggag	actacgatgc	ctgccttggt	cacccttctc	ctgctctttc	cattgctccc	300
tctgatggaa	gccagttgcc	atgtgatgag	gtgccctatg	gagaggccca	cgtgacaagg	360
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tgatcacagc	caccaccaac	accttcaactg	cctgggtgaga	ggccaagcca	gtgaacccaa	540
ggtaaaactgg	acagaatcct	gacccacaga	aactgagata	atgtttgtta	ttttaagctg	600
ctcagtttgt	tacagagcaa	tagataacta	actcaaacac	cataaaattc	taatatattta	660
ttctatcaca	caaaccaggt	aataccaagt	aaatgccatt	actatacaca	tatttttgta	720
acacaattac	atgtgatattt	ttaagaaggc	t			751

<210> 63

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (738)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (776)

<223> n equals a,t,g, or c

<400> 63

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gctatcccca	acttctagac	ctgctccaaa	ctagtgaacta	ggatagaatt	tgatccctta	180
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aggcactgtg	actgtcaagc	tggcaagggc	caggattggg	ggaatggagc	tggggcttag	360
ctgggaggtg	gtctgaagca	gacaggggaat	gggagaggag	gatgggaagt	agacagtggc	420
tggtatggct	ctgaggctcc	ctggggcctg	ctcaagctcc	tcctgctcct	tgctgttttc	480
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aggatggcct	tccttccctc	taoccttcc	ccctcagcct	gcaacctcta	tcctggaacc	600
tgctctccct	ttctcccca	ctatgcactc	gttgctctgct	cctctgcaaa	ggccagccag	660
cttgggagca	gcagagaaat	aaacagcatc	tctgatgccca	aaaaaaaaaa	aaaaaaaaac	720

gcggccgaaa gcttattncc ctttaagtaa ggggttaatt tttagcttgg gcactnggcc . 780

<210> 64
 <211> 588
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (565)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (566)
 <223> n equals a,t,g, or c

<400> 64
 ttccgaatta atcgactcac tataggaawt gccgtcgcca tgacccgcgg taaccagcgt 60
 gagctcgccc gccagaagaa tatgaaaaag cagagcgact cggttaaggg aaagcgccga 120
 gatgacgggc tttctgctgc cgcccgcaag cagagggact cggagatcat gcagcagaag 180
 cagaaaaagg caaacgagaa gaaggaggaa cccaagtagc tttgtggctt cgtgtccaac 240
 cctcttgccc ttgcctgtg tgccctggagc cagtcccacc acgctcgcgt ttcctcctgt 300
 agtgctcaca ggtcccagca ccgatggcat tccctttgcc ctgagtctgc agcgggtccc 360
 ttttgtgctt ccttcccctc aggtagcctc tctcccctg ggccactccc ggggggtgagg 420
 gggttacccc ttcccagtg tttttattec tgtggggctc accccaaagt attaaaagta 480
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 aaaaaaaaaa aaaaaaaaaa aaaanncggy ggggggcccc cccccccc 588

<210> 65
 <211> 945
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (13)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (15)
 <223> n equals a,t,g, or c

<400> 65
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 cactgttaac ctttgggtga taataaaatc agacactttc ctttgcatta tgtcacatag 180
 aaatgtacaa ataaagtgt catatatata cacatatatg tatacactgt tttgcaactc 240
 gttattttca ctttgcaata tacaatgagc atttttccat gcaaatgaat gagacctctt 300
 attaaatgaa taagattggg tcaaaagatg agatgttgac aagagtcata tgtaaattctc 360

agcaacatcg	aatgactgga	gtaaaacgat	agcaaatatt	tatcaagaaa	gtgcagacaa	420
acagaaagca	gtggcaacat	taataacaga	aaataattga	attgtcagag	aaattaatta	480
aatgggataa	ggacgggtccc	gagaatgcct	atgggttagaa	tgacagagccc	taaattttctt	540
tctyagaccc	cttactctctt	ccaaacacct	ttccatctca	tctccctccc	ttgtcatttc	600
ttcatcttta	aaatgcctat	agtctatgtc	ctcttttaaat	tcttcgagag	actgaagcag	660
cctctgtcta	aaattccctt	ctgtttgctg	gogttcaaat	tctccatacg	ggcgtttttc	720
ctccctcttt	ggcacgctgc	actttggctt	tccttcgttt	tctttgcagg	gtttttgcat	780
gatgttggtg	ttgtttcctg	cttaactctg	tgoggggtag	tttccctgctc	cttttcttcc	840
cccagatgtc	tgtgaacaca	gatcctggga	cctcttccct	cccttggcca	caagcacgca	900
cggcacgctt	gtctgcaggg	cagtaaggag	ctggtaacctc	gtgcc		945

<210> 66
 <211> 1866
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (262)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (674)
 <223> n equals a,t,g, or c

<400> 66						
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acgtccacc	cttcaggaca	gtgatgaata	ttccaacca	gctcctcttc	ccctggatca	180
gcattccaga	aaggagacta	accttgatga	gacttcggag	atcctttcta	ttcaggataa	240
cacaagtccc	ttgccggcgc	antcgtgtat	actaccaata	tccaggagct	caatgtctac	300
agtgaagccc	aagagccaaa	ggaatcacca	ccaccttcta	aaacgtcagc	agctgctcag	360
ttggatgcat	tcattggctca	cctgactgag	atgcaggcca	aggttgagct	gagagcagat	420
gctggcaaga	agcacttacc	agacaagcag	gatcacaagg	cctccctgga	ctcaatgctt	480
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gcatectgcc	agaaaccgat	tgctgggaag	gtgatccatg	ctctagggca	atcatggcat	600
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cggagtggct	tggnctactg	ccccaacgac	taccaccaac	ttttttctcc	acgctgtgct	720
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gagcacttct	tctgctctca	ctgcggagag	gtgtttggtg	cagaaggctt	tcatgagaag	840
gacaagaagc	catattgccg	aaaggatttc	ttagccatgt	tctcacccaa	gtgtggtggc	900
tgcaatcgcc	cagtgttgga	aaactacctt	tcagccatgg	acactgtctg	gcacccagag	960
tgctttgttt	gtggggactg	cttcaccagt	ttttctactg	gctccttctt	tgaactggat	1020
ggacgtccat	tctgtgagct	ccattaccat	caccgcccgg	gaacgcctctg	ccatgggtgt	1080
gggcagccca	tcactggccg	ttgtatcagt	gccatggggg	acaagtcca	tcctgagcac	1140
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aagacctatt	gtcaaccttg	cttcaataag	ctcttcccac	tgtaatgcca	actgatccat	1260
agcctcttca	gattccttat	aaaatttaaa	ccaagagagg	agaggaaagg	gtaaattttc	1320
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gaacttctag	actttacatg	actaggctga	taatcttatt	ttttaggctt	ctatacagtt	1440
aattctataa	attctctttc	tccctctctt	ctccaatcaa	gcacttggag	ttagatctag	1500
gtccttctat	ctcgtccctc	tacagatgta	ttttccactt	gcataattca	tgccaacact	1560
ggttttctta	ggttttctcca	ttttcacctc	tagtgatggc	cctactcata	tcttctctaa	1620
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aaaaaa 1866

<210> 67
<211> 1152
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (668)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (745)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1015)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1088)
<223> n equals a,t,g, or c

<220>
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<222> (1110)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1113)
<223> n equals a,t,g, or c

<400> 67
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gcagatgcct tcactttccc accraaaaaa ccccmaccaa acctagacc ttactgcaac 660
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ctgctcanaa gggcatgttg tcttgcggan tanaggcgct ctccctccct cgttttccct 1140
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<210> 68

<211> 2483

<212> DNA

<213> Homo sapiens

<400> 68

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cgttctgcgg	gtacaagaaa	attccccagg	acacagagct	ggtttgagc	ctttctttga	180
ttttattgtt	tctattaatg	gttcaagatt	aaataaagac	aatgacactc	ttaaggatct	240
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cttgtgttac	atctaaatta	caacccttaa	ttgccacgtg	tgcaacttact	actctccagt	2280
atgtcttatt	actctccagt	atgtcacgca	tctttaactt	ttcacgtcct	atgtttgctt	2340
tctcccat	tttaagagatg	gtaagtraac	tggaattgat	ttactgaatg	aaattaaatg	2400
cagatatccc	tgtttttgaa	ataaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2460
aaaaaaaaaa	aaaaaaaaaa	aaa				2483

<210> 69

<211> 536

<212> DNA

<213> Homo sapiens

<400> 69

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tataacctcc	gggggtcctt	gcctcctttt	ccttagactc	cctccaaact	cgtgtatctt	180
tccttcagca	gtactgggct	ccacgcgaac	ctagtccttt	gtctttaccc	tattaccttt	240
cataacatcc	tagttgaaaa	gtartttatc	aaccgcgttt	gaaaatgaga	acagggttcac	300
agargctagg	ttacttgcca	aggtcgttca	attagtaacc	agtaacgcca	ggactgccag	360
tttcttgctt	ccgaattctc	atggtagctt	tcaccargct	ccccgtcmaa	tgctaacgtc	420
aactactgaa	ctagattagc	aaaaaggtct	tttaacagaa	ttcctggttt	tcagagagag	480
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<210> 70

<211> 574

<212> DNA

<213> Homo sapiens

<400> 70

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ggtaacggca	cctcgtcggc	gctctcctcc	ctcctgtccc	tgctgctctt	tgctgggatg	180
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tttgcattctg	gcctcatcca	ccgagtctgt	gtcaccacct	gcttcatctt	ctccatgggt	420
ggtctgtact	acatcaacaa	gatctcctcc	accctgtacc	aggcagcagc	tccagtctctc	480
acaccagcca	aggtcacagg	caagagcaag	aagagaaact	gaccctgaat	gttcaataaa	540
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<210> 71

<211> 932

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (884)

<223> n equals a,t,g, or c

<400> 71

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ggatcttttg	ggttctccat	gttgtgcacg	catcagtggg	tacagcttac	ctcttcacag	180
tcagcaatgc	ttccagggg	atgttcattt	ttttattcct	gtgtgtttta	tctagaaaga	240
ttcaagaaga	atattacaga	ttgttcaaaa	atgtccctctg	ttgttttgga	tgtttaagggt	300
aaacatagag	aatggtggat	aattacaact	gcacaaaaat	aaaaattcca	agctgtggat	360
gaccaatgta	taaaaatgac	tcattcaaatt	atccaattat	taactactag	acaaaaagta	420
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atcatataga	tatactatgt	ttttctatgt	gaaatagttc	tgtcaaaaaat	agtattgcag	540
atatttgga	agtaattggg	ttctcaggag	tgatatcact	gcacccaagg	aaagattttc	600
tttctaacac	gagaagtata	tgaatgtcct	gaaggaaaacc	actggcttga	tatttctgtg	660
actcgtggtg	cctttgaaac	tagtccccta	ccacctcggt	aatgagctcc	attacagaaa	720
gtggaacata	agagaatgaa	ggggcagaat	atcaaacagt	gaaaaggga	tgataagatg	780
tattttgaat	gaactgtttt	ttctgtagac	tagctgagaa	attgttgaca	taaaaataag	840
aattgaagaa	acacatttta	ccattttaaaa	aaaaaaaaaa	actngagggg	ggcccgggac	900
ccaaatcgcc	gcattagtgat	cgtaaacaat	ct			932

<210> 72
 <211> 996
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (584)
 <223> n equals a,t,g, or c

<400> 72
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 cccccgccgc gcggcccact ccccgacct gctactcccg catgcggggcc ctgagccagg 120
 agatcaccgc cgacttcaac ctctgcagg tctcgagcc ctcggagcca tgtgtgagat 180
 acctgcccag gctgtacctg gacatacaca attactgtgt gctggacaag ctgcgggact 240
 ttgtggcctc gcccccggtg tggaaagtgg cccaggtaga ttccttgaag gacaaagcac 300
 ggaagctgta caccatcatg aactcgttct gcaggagaga tttggtattc ctggttgatg 360
 actgcaatgc cttggaatac ccaatcccag tgactacggt cctgccagat cgtcagcgtc 420
 aagggaactg agaccagaga aagaacccaa gagaactaaa gttatgtcag ctaccagac 480
 ttaattgggc agagccatga cctcacagg tcttgtgta gttgtatctg aaactgttat 540
 gtatctctct accttctgga aaacagggtc ggtattccta ccnggaacc tcctttgagc 600
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 acacagcatg ttgatttggt cacctaaaaa gaagaaaagg actaacaagc ttcactttta 720
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 atggtacttt tattctttct tgatagaaac ctgcttacat ttaaccaagc ttctattatg 840
 cctttttcta acacagactt tcttactgt ctttcattta aaaagaaatt aatgctctta 900
 agatatatat tttaygtagt gctgacagga cccactcctt cattgaaagg tgatgaaaat 960
 caaataaaga atctcttcac atgaraaaaa aaaaaa 996

<210> 73
 <211> 785
 <212> DNA
 <213> Homo sapiens

<400> 73
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 tgctggtgct atggccacgt gtgagcaggc cagcgtoama cggctcgctg tgaccgctcc 120
 cgragactga aatgggcctg ggtcttctcc tkgtcctgtg atwaaagtcc tctcttgaaa 180
 gtggagagca aaggcacaca gaggtgcgcg ctcaacaaga ttcctcccg tgactgggta 240
 atcaatgtta ctgctgtttc ctttgacagga aagaccacag caagattcct tcattcgtct 300
 cctcctagcc tgggggacca ggtcgaact gaccctggac atcaaaggag ggattatgtg 360
 gctgctaaag ccatcgcccc acagccctgt tcacrtcttg gtgcttctct tcccagagg 420
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 aggtgcctc ctgcctgga tctggagtgg agctgctctg agattttgag ttcttctgca 540
 gagatgatta aatatatcca agagacattg gaaaacctgc tgaacatttt acattgggtc 600
 gctcagcaca tggctggatg cggatatttc tataattcca gaaagtcaca cagctcctct 660
 gtatgagacc agtgggcgcc atttaaaaga acaggatgag aatctaagat atattattaa 720
 taaatgtaat ggattttttt tttgtaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
 aaaaaa 785

<210> 74
 <211> 1069
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (92)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (886)
 <223> n equals a,t,g, or c

<400> 74

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gttcttaggc	tcctgcacat	gaagggtgtgt	gcctgtggtg	tgtgggctgc	tctaggagca	180
gatacaggct	ggtatagagg	atgcagaaaag	gtagggcagt	atgtttaagt	ccagacttgg	240
cacatggcta	gggatactgc	tcactagctg	tggaggctct	caggagtggg	gagaatgagt	300
aggagggcag	aagcttccat	ttttgtcctt	cctaagaccc	tggtatttgt	gttatttccct	360
gcctttccga	gtcctgcagt	gggctgccct	gtaccctgaa	cctcatgagc	ctctaaggga	420
aaggagggaac	aattaggacg	tggcaatgag	acctggcagg	gcagartaca	agcccagcac	480
cagtgtccca	gccttactgg	gtccttacc	tgggccaaac	agggagggtc	gatacctcct	540
tgctcttcc	agatgccac	ctcctacaat	ctcagcccac	aagtcctctc	caccctaggg	600
ggcttgctgc	atggcaataa	ctcataatct	gatttgagg	tttgcccttt	acaggggcag	660
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tgtgtgccta	ctgaacctgg	caaataaaca	tcacctgca	aagccaaaaa	aaaaaaaaaa	1020
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa		1069

<210> 75
 <211> 831
 <212> DNA
 <213> Homo sapiens

<400> 75

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gagctttagt	ctgtctctgt	ttcagttcat	tttacaggag	gtgaacatca	cacttccaga	180
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gcagcaaaagt	actggargct	gactgatgcc	ctcatgattt	tccaccctct	cttcccataa	360
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attaatagag	aagcacttca	cagtcactgg	caatgccatt	tataggaaga	aggttctgca	660
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<210> 76
 <211> 590
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (27)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (30)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (35)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (76)
 <223> n equals a,t,g, or c

<400> 76
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 agccagtcga ataacntata aggacaaagt ggagtccacg cgtgcggccg tctagactag 120
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 ggagacgctt cccaaaaacc tgcagggtta tttccagaa tttggttttc aagtacaaaa 420
 ctttttgtcc tgtaagatat atgcagctc acagaagcag cctctgcctc cactttacca 480
 gctacgtttt tatcttaagc acatggggct cccttagaac ttactccact gatttaaaaa 540
 aaaaaaaaaa aaactcgagg gggggcccg taccattcg ccctaaaagt 590

<210> 77
 <211> 1274
 <212> DNA
 <213> Homo sapiens

<400> 77
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 tctgtgatgg aggacactgg agagagttgc tattccagtc aatcatgtcg agtcaactgga 120
 ctctgaaaat cctattggtt cttttatttt atttgagttt agagtccct tctgggtttg 180
 tattatgtct ggcaaatgac ctgggttatc acctttcctc cagggttaga tcatagatct 240
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 ttgtgcgggtg attacacact tgacagtacc aggagacaaa tgacttacag atcccccgac 420
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ctcctacaat	attcagttaca	tgaccactgt	catcctagaa	ggcttctgaa	aagaggggca	660
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caaattgtac	taataggstg	gggcccgtgac	ttggctgttg	gctttgggag	gggtaagctg	780
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gtagatgaaa	tatcggatgt	aatctgaaaa	aaagataaaa	tgtgacttcc	cctgctctgt	960
gcagcagtcg	ggctggatgc	tctgtggcct	ttcttgggtc	ctcatgccac	cccacagctc	1020
ccaggaacct	tgaagccaat	ctgggggact	ttcagatgtt	tgacaaagag	gtaccaggca	1080
aacttcctgc	tacacatgcc	ctgaatgaat	tgctaaattt	caaaggaaat	ggaccctgct	1140
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<210> 78

<211> 1133

<212> DNA

<213> Homo sapiens

<400> 78

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tgtataaatg	tcttttgttt	ttattaagtg	cctaattgac	agagcttaat	ttgaagaagt	300
gccctaattt	attgaccact	taagaattgc	ctttattggg	gtattttatt	tgttcctgcg	360
tctttttgat	gttgttcagt	ctactcatcc	ctgtgagtat	gtgtggggga	cagctgatag	420
aagggaggag	agtgtgtcta	tgctcaggat	tgcccttttag	ccactcagcc	agagatccac	480
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tccaacatgt	tttcacttta	tttgcccctc	cctacatttg	ggttagggtc	catttggatt	660
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tctgatgaag	gcattgtaac	aaatatatag	tattattaaa	tctaattaat	atttggaaat	960
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tattcttttc	attctttccc	ctgtttacat	cctttttaca	aagcttagtc	accaattaaa	1080
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<210> 79

<211> 661

<212> DNA

<213> Homo sapiens

<400> 79

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tggctgacgg	gatgcctgtc	ttgcctggac	gcaccactgc	tctcctgtcc	ctcaccttgg	240
cttttgctgt	gccctgctct	gggggtgaag	ctggcccatg	tgtcccccg	agtcattggct	300
gctcctcctg	ggaggcctct	gtgtgcgtca	cgtcttocac	acctgggggc	agctggcgag	360
cccgtgctct	gttcccctcg	gctgcttggc	acagagytgc	agcctgggag	tctccgtgga	420
cccagactgg	ggatttttgc	aggggggcga	tgggaggagc	aggtgctttg	cctggcggtc	480
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ggcatgtgcc agattacatg agtgacggct gggaatatgt tttctttttt gtaatggagg      600
cgtgtttcac atatagtaaa gctcaccaaa aagtaaaaaa aaaaaaaaaa aaaaaactcg      660
a                                                                                   661

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<210> 80
<211> 1378
<212> DNA
<213> Homo sapiens

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<400> 80
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ggtgtcccag gaagtcagcc attactcccc agtggaatgg atccaactcg acaacaagga      180
catccaaata tgggtgggccc aatgcagaga atgactcctc caagaggaat ggtgccctta      240
ggaccacaga actatggagg tgcaatgaga cccccactga atgctttagg tggccctgga      300
atgcctggaa tgaacatggg tccaggtggg ggtagacctt ggccaaaccc aacaaatgcc      360
aattcaatac catactcctc agcatctcct gggaattatg taggtcctcc aggaggtgga      420
gggccaccag gaacacccat catgcctagt ccagcagatt caaccaactc tggtgataac      480
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cctgggtcag atggtcccat ggggtggatta ggaggaatgg agtcacatca catgaatggc      600
tctttaggct caggagatat ggacagtatt tccaagaatt ctccaataa tatgagcctg      660
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cctcatgaaa accacagtga gtcagccctt cacagaacta ctacggaaga aaattattca      840
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gctctctccc ctcttttggt aagaaagcgg gtccaaatgt gattcaaaca actgtacgga      960
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gaccacagg acattgtaaa atattatcac atgacatctt aagtagaaat aagtagggac      1140
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tccctgaact attttgtgct gtgtatatca ctgctttata taagttat ttaaggtga      1260
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<210> 81
<211> 1440
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (38)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (41)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1128)
<223> n equals a,t,g, or c

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<220>
<221> SITE

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<222> (1129)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1440)
 <223> n equals a,t,g, or c

<400> 81

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gggagaggcc	caacccta	taaggagcta	aacttcctga	gtgaggggct	gtgaggatgg	180
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gccctacacg	ccgccgcctg	cctccaactc	actaaccctg	cgctcttgt	ctttcagatt	420
caacgcgttc	aacagaagcc	atccccagcc	cagcttaaat	tataaagata	gacaataact	480
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atacagcgtc	tcttgtcttc	actgatactg	gagtctccgt	tgtctgcnng	gtcccttcga	1140
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tgtttaaaagt	ttgatctttg	tttttctaaa	gattaaaaaa	gcacttgccc	cactgtaaat	1380
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<210> 82
 <211> 1381
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1379)
 <223> n equals a,t,g, or c

<400> 82

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cacggttttt	cctcatgtga	cttctgggaa	ggcgtccct	catctgggcc	aaaggaagga	240
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cctgggattc	aagtatgcaa	ccagaacaca	ggagaagaaa	agctccagga	tcctgtccc	420
catctgtcct	cttgatgtga	gagagactct	gagacttctt	ccatcgcaat	gacctgtatt	480
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gatttcttct	ttgaaaggtc	aagaccgtga	actgaaaaaa	gtgttggcct	ttttgcggga	1320
ccagattttt	aagataaaat	aaataatttt	acttctgtca	aaaaaaaaaa	aaaaaatnt	1380
c						1381

<210> 83

<211> 1706

<212> DNA

<213> Homo sapiens.

<400> 83

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ccaactatca	tctgagggct	aaagatgaga	agtagatcac	ttaataagac	aaaagcctgt	180
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agatgcctaa	raaaaaaaaa	aaaaaa				1706

<210> 84

<211> 573

<212> DNA

<213> Homo sapiens

<400> 84

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acttcctgtc	tactctttga	ttttgtttta	tttttagaaa	tgttttattd	tgttttattd	180
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gatgtcycaa	actagaaggt	ctattaattt	aaaaaattaa	ggatagcatg	ccataattaa	420
aaataataac	agtgggaaaa	ggcaccttcc	aatgattcag	acatcaactt	gtgatttaaa	480
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<210> 85

<211> 684

<212> DNA

<213> Homo sapiens

<400> 85

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caggcctccc	aggctgctct	ycacgtccct	tatgccacta	tcaacaccag	ctgcygccca	180
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<210> 86

<211> 1036

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1020)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1024)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1032)

<223> n equals a,t,g, or c

<400> 86

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agtggaytgc	tcatggcaga	tgtgtggcaa	tgtctggctg	wgtctttccg	gcamctgcgt	420
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gtttgacttc	ccgggatggg	tccttgcttc	tcagctgtgt	ccgacccac	catgtaataa	960
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<210> 87
 <211> 908
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (805)
 <223> n equals a,t,g, or c

<400> 87							
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tgaatatt	at	tccattatat	ggatttacca	caattcattt	acctattcat	cttttgtttc	180
tgctgtct	gg	ctattgtgaa	taatgcttcg	ataaacattc	atatacaagt	ttctatgtgg	240
ctttatgt	ttt	tcatttctct	tggctatcta	catgggagta	gaattctagg	tcataatata	300
attttatgt	t	taacttctca	aagaattgcc	aaaaggtttt	tcatagtggc	tgcattcattt	360
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gcgtgggt	ggc	agggtcatgt	aatcntatct	actcaggagg	ctgaggcagg	agaatcgctt	840
gaaccagga	g	ggcggaggct	gcagtgcagc	aagatcacgc	cattgcactc	tagcctgggt	900
gacacaga							908

<210> 88
 <211> 655
 <212> DNA
 <213> Homo sapiens

<400> 88							
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ctctcttct	c	agattagaaa	actgcctcat	tttctgctca	ctggatgtgc	agtcccagct	180
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tgctgtgt	ttt	tcttagagta	aattgccaat	ttctgttttt	acaggaaatc	cttttttaaa	360
aatggaa	tca	gtgtgggtcc	catctactct	gcaaaaattg	catttttctc	tattttcaaa	420
tgagattt	gt	tcaagtttca	aaaccacgtg	aaataataaa	tgtatagtag	ttttcttttc	480
cttgggc	catt	gctwgatatg	tgaaatgggt	ttatgaaaaa	taataaaatc	ataacgctat	540

ttgttttgact	ttcaattttca	tgggaatttt	tctcagctaa	actctaaatg	gtgattargc	600
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<210> 89
 <211> 1102
 <212> DNA
 <213> Homo sapiens

<400> 89						
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cagaggggttg	ggacatatta	cgggcgcgga	tccctcttgg	agtgagatga	ctctccggag	180
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gatggaagat	ctttttacacg	ctcttgattt	tgtttgcctt	tttttctatt	actagtgaga	300
atgaaactttt	ttatatgatt	attatccatc	ataatccaac	acaaattact	gcttcatgtt	360
ctttttacttt	cctgtgaagg	tttttagtgc	ttttaaaaat	tgctatatat	taagcttggt	420
aataacttcca	tgctgtattt	gtggccatca	gtttccccgg	gcacaggcct	gcacattttg	480
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rtctctctct	caccctattc	tctattacga	tccacagcct	catgctttat	garattgggtg	720
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tgccaggtggg	agatgaagct	caggggtggg	accagtatct	cacagtcttc	tttgcattggc	1020
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<210> 90
 <211> 1533
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (123)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1522)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1527)
 <223> n equals a,t,g, or c

<400> 90						
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tgntcgtgtg	tgctgaaccc	gcgcggcggc	aagggcaagg	ccttgacagc	cttcgggagt	180
cacgtgcage	cccttttggc	tgaggctgaa	atctccttca	cgctgatgct	cactgagcgg	240
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caactgcacg	ctattgctgt	gcgcggcgct	gctgtcacc	atgaacctgc	tgtctctgca	540
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gaatgaagtc	ctgggtcagg	agcccagctg	gctgggcccc	gctgcctatg	taaggccttc	1440
tagtttgttc	tgagaccccc	accccacgaa	ccaaatccaa	ataaagtgac	attcccaaaa	1500
aaaaaaaaaa	aaaaaaaaaa	ancccgnggg	ggg			1533

<210> 91

<211> 575

<212> DNA

<213> Homo sapiens

<400> 91

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gccagagctg	tacctggggc	cotttgagct	gaggctgaag	ccagagtctg	aagctcagca	180
gggcagtarg	gccctggggc	tgccccctga	aaccattctt	ttctcctaag	cctctggggc	240
tttgatggga	rgggctgtcc	tcaagatttt	tgaaatgcct	ttggagggtt	tttgccttgt	300
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tgtttccctt	ttaaatataa	atttcaatgt	taagtcactt	ctttgtctcc	atatctgatt	480
taggttgctg	gaagtagcca	agtcacctct	tgaatgcttt	gctgcttaga	aatttctctt	540
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<210> 92

<211> 639

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (126)

<223> n equals a,t,g, or c

<400> 92

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gcagantcag	aatgggcctc	agcatcaggc	tcccaatcct	ggcttctaac	tgctgcgctc	180
tgcccttcyc	tcwccccacc	tcccactcc	agtgcctttg	gtcatgccac	tcagactttc	240
aggccaatac	tggattagcc	tcttagtggt	cttgteectg	cagccatttc	cccaggcagc	300
aattccatgt	gccctcactg	atgtagggtg	ctcttggtgc	atttgtcaca	tcctattgaa	360
ttgttttatg	atcttggtca	cactcacagc	accctccctc	tcacacgtcc	tcctataaaa	420
aatgtccctc	agtgtctgct	atgagccagg	tcagacttta	agtgcacagg	ctgctacggg	480
aaataaaaaa	ttaacaagga	gcacctgcct	cttaatgcac	agtaacaaac	tatgttaagt	540
gtcaggaagg	aaaggttaag	gatgccagga	aggcttttaa	taaataacct	gacttagatg	600
ggcaggtggg	gctgargatt	aagaacgtgt	tcttctcga			639

<210> 93

<211> 858

<212> DNA

<213> Homo sapiens

<400> 93

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taagcccaga	atctcccttt	ccctgaaggg	aggccagcac	cccaggaggg	cagcagggtgt	180
gctgtgaggg	ttggagtagt	gtgagaggtc	agggtacact	agaatggcca	tggacaccat	240
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cttccccoga	ccttggtggt	tatttggttt	gataccaatc	agcagaccct	gcaaggtgga	360
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agtagagaaa	gagttgaata	tacatagagc	cagctaaatg	ggagagtgga	gttttcttat	540
tacttaaata	agcctccctc	aaaattcaga	ggtgagaatt	tttcaaggac	agtttggtgg	600
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tggtcccggt	agagccatct	ggtgtcagga	atgcaaaagt	gtggccaggc	acagtggccc	780
acacttgtaa	tcctagcact	ttgggaggct	gaggcaggag	gaatgcttga	gcccaggagc	840
tcgagggggg	gcccggta					858

<210> 94

<211> 526

<212> DNA

<213> Homo sapiens

<400> 94

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agcgaytca	gccatcytay	tcctggggaa	aatgaaacct	gtgctcctat	caaagtctca	180
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gttagcargc	ttggtctgg	gacctttcta	ctgaaccaca	gtgccgctgg	gggaagtctc	360
cagcacagat	ggctgctgct	atagctgggg	tatgggcagt	attagtagtt	aaccagtcaa	420
cccaagttcc	catagtctag	gttctgcttc	agctggaggt	tagggaaaaa	cacaagaaaa	480
tcccttacca	ctctaccagt	gctgggggat	gtactaagag	atcccc		526

<210> 95

<211> 426

<212> DNA

<213> Homo sapiens

<400> 95

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gaatgtcccc	agagacaaaa	gggaaaggta	gaccccttcc	cttaaagatg	aaagccatcg	180
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cttgacgtgt	ctccgcgtcg	acctggcacc	tgggtgaarg	cttgctcttg	ctgggtgcca	360
tagccccag	tgtatgggtct	tgamctcccc	agccatatgg	araccacact	caggagggcc	420
cctcga						426

<210> 96

<211> 844

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (416)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (471)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (490)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (732)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (835)

<223> n equals a,t,g, or c

<400> 96

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cccagcccaa	ggaacaactg	agaatactga	gtgccagggt	agccctagcc	ccatttcaca	240
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tcagtgaagc	atttggggst	gctagctctg	cctatgggtg	aggtcagcta	tctcagcca	720
tctacttcca	cntgcccccc	catgccaggc	tcacctgag	ctgagatgcc	tgagcagggt	780

gcagaaagga gccacctggg ttatgcttcg ggaccacaaa ctctctatc cagangacag 840
 tttt 844

<210> 97
 <211> 1985
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (332)
 <223> n equals a,t,g, or c

<400> 97
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 ctcttacctg gggcggtcga tgaaggtgca gtatgaggaa gtgcgtgaga aagatgatct 180
 aatgggtgtg gaagatacag caaagaaagg attctyctca aagccatcgc tccgcagcag 240
 gaacaccatt ttcaccctag gaacccgagg ctctgtcatc tccccactg aacttgaggc 300
 ccccatcctg gtgcctcaca cagcgcagcg gnagagcaga ggtatccatt tgaggccctc 360
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 gatctcagca atttgaacac taacctctcc cctcctggct caagaattac tccgaagtca 1920
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 aaaaa 1985

<210> 98
 <211> 1416
 <212> DNA
 <213> Homo sapiens

<400> 98
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gaagaatgat	ttgaatccta	tgtttctgga	tcaagtagct	aaattttatta	ttgataacac	180
aaaaggtcaa	atgttgggac	ttgggaatcc	cagcttttca	gatccattta	cagggtggtgg	240
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gacatgactg	ataacagata	attaaaaaaa	gagaatacgg	tggattaagt	aaaattttac	1320
atcttgtaaa	gtgggtgggga	ggggaaacag	aaataaaatt	tttgcactgc	tgaaaaaaaa	1380
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<210> 99

<211> 1760

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (255)

<223> n equals a,t,g, or c

<400> 99

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aagtgaacc	agacagtgat	ggcccatgta	caagacttgt	gcttgaagct	ttggtgtgcc	420
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<210> 100

<211> 599

<212> DNA

<213> Homo sapiens

<400> 100

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aagttcaaag	ggcagcacga	gggggtcttt	ggctgctatt	gtcatctgga	gggggaagag	240
tgagagccgg	atagccaaga	ccccaggcat	tttcagaggt	ggcgggacct	tagtccctacc	300
cccaacacac	acccctgagt	ggctcctcct	ccctttgggc	ataacgctgc	ccttgggggc	360
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<210> 101

<211> 784

<212> DNA

<213> Homo sapiens

<400> 101

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gatattttac	aatttcattt	atcaccacct	ttctctagcc	tttaccctgc	tcttcaatat	660
twacatatgc	agaagtctct	cctaacaac	acctgcctct	gcctcagttc	tgctaccacc	720
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tcga						784

<210> 102
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 102
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 ggctatgaaa agaacttgaa attgtcggaa tatgtgtctt cttcatgtca tattcaatag 180
 aagtttctag ttttaagattg attttgtgtt ttcttaggca tttcaagtga caagcaaatg 240
 aaatgtatat attatgtgat aaatcatgtt ttcaagaacg tcaaatttct ggactttttt 300
 ctttcaattt ttaattttta aagttttttt ggtattaaaa aatctattca caagccaaaa 360
 aatatataaa atatacagcg aaaagccaaa aaaaaaaaaa aaaa 404

<210> 103
 <211> 2218
 <212> DNA
 <213> Homo sapiens

<400> 103
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 attactgggt tagaaaacaa agagggaktg cctgcacat tttcttttgt gcttttaaat 180
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 ccccgttact gaaaaataac catttttagtg tcaggctaga aattgaattg ctgagttttg 360
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 gatgttcagg cacaggatgc tgaaagctat gttactattc ttagtttga aattgtcctt 2100

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 2219

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<210> 104
<211> 1351
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (544)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (774)
<223> n equals a,t,g, or c

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<400> 104
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taaaacttat aatgcatgta aaaaaaaaaa a 1351

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<210> 105
<211> 2066
<212> DNA
<213> Homo sapiens

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<400> 105
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cacctctgaa gttttgcagc gcccgaaaag gagcgagga aggagggagt gtgtgagagg 180
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ggattctgct cgtgtcccaa atcatcgctt ttctggtggg aggtctgatt gctccagggc 360
ccacaacggc agtgtcctac atgtcgggtga aatgtgtgga tgcccgtaa aaccatcaca 420

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<210> 106

<211> 1705

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (724)

<223> n equals a,t,g, or c

<400> 106

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<210> 107
 <211> 1167
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (6)
 <223> n equals a,t,g, or c

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gcggaaaacc	tctgcogaat	tctgca				1167

<210> 108
 <211> 1907
 <212> DNA
 <213> Homo sapiens

<400> 108

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 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

<220>
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<210> 111

<211> 2249

<212> DNA

<213> Homo sapiens

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<222> (1579)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2226)

<223> n equals a,t,g, or c

<400> 111

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 <212> DNA
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 <223> n equals a,t,g, or c

<220>
 <221> SITE
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 <223> n equals a,t,g, or c

<220>
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 <222> (640)
 <223> n equals a,t,g, or c

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<210> 113

<211> 1043

<212> DNA

<213> Homo sapiens

<400> 113

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<210> 114

<211> 703

<212> DNA

<213> Homo sapiens

<400> 114

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<210> 115

<211> 3684

<212> DNA

<213> Homo sapiens

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<222> (79)

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<220>

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<222> (2297)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (3679)

<223> n equals a,t,g, or c

<400> 115

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<210> 116

<211> 1965

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (476)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1136)

<223> n equals a,t,g, or c

<400> 116

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<210> 117

<211> 503

<212> DNA

<213> Homo sapiens

<400> 117

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<210> 118

<211> 1071

<212> DNA

<213> Homo sapiens

<400> 118

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<210> 119

<211> 1101

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1101)

<223> n equals a,t,g, or c

<400> 119

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<210> 120

<211> 282

<212> DNA

<213> Homo sapiens

<400> 120

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<210> 121

<211> 2635

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2605)

<223> n equals a,t,g, or c

<400> 121

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<210> 122

<211> 994

<212> DNA

<213> Homo sapiens

<400> 122

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cccacctcct	tctacgtctg	tcaaagacta	ccagaatgtc	cctggaattg	agaaggttga	420
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caagcaagaa	cagtttatga	agaagattgt	tgcaaaccca	gaggacacca	gatccctgga	540
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tcgaaaggac	aaagcccaca	aacgctatct	gctaattgagc	attgaccaga	ggaaaaagat	660
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cttaaaggct	gcagcagcag	cccaaaaaca	agcaaaagcg	aggaacccag	acagccctgc	900
caaagccata	ccaaagacac	tcaaagacag	ccaataaatt	ctgttcaatc	atttaaaaaa	960
aaaaaaaaaa	aaaaaaaaaa	aaaaagggga	gggg			994

<210> 123

<211> 1542

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1445)

<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1515)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1520)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1535)
 <223> n equals a,t,g, or c

<400> 123
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 cgtagtccac cccctcccca tccccagccc ccggggattc aggcctcgcca gcgcccagcc 120
 agggagccgg ccgggaagcg cgatgggggc ccagcccgcc tcgctcctgc tctgtctcct 180
 gctgttcgcc tgetgctggg cgcccgcgcg ggccaacctc tcccaggacg acagccagcc 240
 ctggacatct gatgaaacag tgggtggctgg tggcaccgtg gtgctcaagt gccaaagtga 300
 agatcacgag gactcatccc tgcaatggtc ttaaccctgc tcagcagact ctctactttg 360
 gggagaagag agcccttcga gataatcgaa ttcagctggg tamctctacg ccccacgagc 420
 tcagcatcag catcagcaat gtggccctgg cagacgaggg cgagtacacc tgctcaatct 480
 tcactatgcc tgtgcgaact gccaaagtccc tcgtcactgt gctaggaatt ccacagaagc 540
 ccacatcac tggttataaa tcttcattac gggaaaaaga cacagccacc ctaaactgtc 600
 agtcttctgg gagcaagcct gcagcccggc tcacctggag aaagggtgac caagaactcc 660
 acggagaacc aaccgcata caggaagatc ccaatggtaa aaccttcact gtcagcagct 720
 cggtgacatt ccaggttacc cgggaggatg atggggcgag catcgtgtgc tctgtgaacc 780
 atgaatctct aaaggagct gacagatcca cctctcaacg cattgaagtt ttatacacac 840
 caactgcat gattaggcca gaccctcccc atcctcgtga gggccagaag ctgttgctac 900
 actgtgaggg tcgcggaact ccagtcctcc agcagtacct atgggagaag gagggcagtg 960
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 ccctcaatgt taatgacccc agtcgggtgc cctcctcctc cagcacctac cagccatca 1140
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 ggacttgctg gggcgctcac caaccggac ttgtacagag caaccgcagg ggccgscct 1440
 ccgntgtgt cccagcccca cccaccctc tgttacagaa tgytkgttt ggggtgcggt 1500
 ttcgtwattg gtttnggatn ggggaaggga ggganggcgg gg 1542

<210> 124
 <211> 1390
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (498)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (499)
 <223> n equals a,t,g, or c

<400> 124

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ctcgtcatgg	tggcgccctgt	gtggtacctg	gtagcggcgg	ctctgctagt	cggctttatc	180
ctcttctctga	ctcgcagccg	gggcccggcg	gcatcagccg	gccaagagcc	actgcacaat	240
gaggagctgg	caggagcagg	ccgggtggcc	cagcctgggc	ccctggagcc	tgaggagccg	300
agagctggag	gcaggcctcg	gcgcgggagg	gacctgggca	gccgcctaca	ggcccagcgt	360
cgagcccagc	gggtggcctg	ggcagaagca	gatgagaacg	aggaggaagc	tgtcatccta	420
gcccaggagg	aggaaggtgt	cgagaagoca	gcggaaaytc	acctgtcggg	gaaaattgga	480
gctaagaaac	tgcggaannt	ggaggagaaa	caagcgcgaa	aggcccagck	tgaggcagag	540
gaggctgaac	gtgarwgwgcg	gaaacgactc	gagtcccagc	gcgaatgagt	ggaagaagga	600
ggaggagcgg	cttcgcctgg	aggaggagca	gaaggaggag	gaggagagga	aggcccgcga	660
ggagcaggcc	cagcgggagc	atgaggagta	cctgaaactg	aaggaggcct	ttgtggtgga	720
ggaggaaggc	gtaggagaga	ccatgactga	ggaacagtcc	cagagcttcc	tgacagagtt	780
catcaactac	atcaagcagt	ccaaggttgt	gctcttgga	gacctggctt	cccaggcggg	840
cctacgcact	caggacacca	taaattcgcat	ccaggacctg	ctggctgagg	ggactataac	900
aggtgtgatt	gacgaccggg	gcaagtccat	ctacataacc	ccagaggaac	tggccgcgct	960
ggccaacttc	atccgacagc	ggggccgggt	gtccatcgcc	gagcttgccc	aagccagcaa	1020
ctccctcatc	gcctggggcc	gggagtcctc	tgcccagcc	ccagcctgac	cccagtcctt	1080
ccctcttgga	ctcagagttg	gtgtggccta	cctggctata	catcttcata	cctccccacc	1140
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aatttaggct	tcagaatata	tccgagaggt	ggggagggtc	ccttggaaagc	tggtgaagtc	1320
ctgttcttat	tatgaatcca	ttcattcaag	aaaatagcct	gttgcaaaaa	aaaaaaaaaa	1380
aaaaactcga						1390

<210> 125

<211> 1288

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1286)

<223> n equals a,t,g, or c

<400> 125

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gacgctgacc	acgttctctc	cctcgggtctc	ctccgcctcc	agctccgcgc	tgcccggcag	120
ccgggagcca	tgcgacccca	gggccccgcg	gcctccccgc	agcggctccg	cggcctcctg	180
ctgctcctgc	tgtcgcagct	gcccgcgcgc	tcgagcgctc	ctgagatccc	caagggggaag	240
caaaaggcgc	atccggcaga	gggaggtggg	ggacctgtat	aatggaatgt	gcttacaagg	300
gccagcagga	gtgcctggtc	gagacgggag	ccctggggcc	aatggcattc	cgggtacacc	360
tgggatccca	ggtcgggatg	gattcaaagg	agaaaagggg	gaatgctctga	gggaaagctt	420
tgaggagtc	tggacaccca	actacaagca	gtgttcatgg	agttcattga	attatggcat	480
agatcttggg	aaaattgcgg	agtgtacatt	tacaaagatg	cgttcaaata	gtgctctaag	540
agttttgttc	agtggctcac	ttcggctaaa	atgcagaaat	gcatgctgtc	agcgttggtg	600
tttcacattc	aatggagctg	aatgttcagg	acctcttccc	attgaagcta	taatttat	660
ggaccaagga	agccctgaaa	tgaattcaac	aattaatatt	catcgacttt	cttctgtgga	720
aggactttgt	gaagggaattg	gtgctggatt	agtggatggt	gctatctggg	ttggcacttg	780
ttcagattac	ccaaaaggag	atgcttctac	tgatgggaat	tcagttcttc	gcacatttat	840
tgaagaacta	ccaaaataaa	tgctttaaat	ttcatttgct	acctcttttt	ttattatgcc	900
ttggaatggt	tcacttaaat	gacattttta	ataagtttat	gtatacatct	gaatgaaaag	960
caaagctaaa	tatgtttaca	gaccaaaagt	tgattttaca	tgtttttaaa	tctagcat	1020
ttcattttgc	ttcaatcaaa	agtggtttca	atatttttt	tagttgggta	gaatactttc	1080
ttcatagtca	cattctctca	acctataatt	cggaataatt	gtcgtgggtc	tttgtttttt	1140

ctcttagtat	agcatctttaa	aaaaaatata	aaagctacca	atctttgtac	aatttgtaaa	1200
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aaaaaaaaaa	aaaaaaaaaa	aaaaanaa				1288

<210> 126
 <211> 1517
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (159)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1123)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1510)
 <223> n equals a,t,g, or c

<400> 126						
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aaacattcct	tcctaaatcc	ttcattatat	tgaatatcgt	attaattggg	tttcagaggc	120
taaatatacc	argtatccct	gcaataaatg	tcacttgnt	cttgatatata	atccttttta	180
tatatataccg	gattgattca	ttagtatttt	gttgaggatt	ttctgtgtcta	tattcataag	240
agatgctggg	ctgcagtttt	ctttctttgt	gataatctgg	tttttgtatc	agtaatacag	300
gccccatgaa	acgagctggg	aagtgttcac	ctctcttgta	ttttttcaag	agtttgtgaa	360
gaattgctat	taattcttta	aatgtctggg	agaatctacc	attgaaatca	tgtgtcctgg	420
gctttttttt	gaggggaagt	ttctgataac	taattcagta	tctacttttt	atagctctgt	480
tcagattttg	cttcttcctg	agtttagttt	ggtaatttgt	gtatctctag	gartttgtcc	540
atttcattta	tctcatttgt	tggcataaat	taaaactaaat	ttggcctgag	cctacctgta	600
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tttcattccc	kgwatcttcc	akgaatatga	rtctyocctt	tttccctcc	tgtcagtcta	900
gctaattggg	tgtcaatttt	gttgatcttt	tgaaraacia	acctttgggt	ccactttctt	960
gttgcatatg	ctgartattc	tcataattgg	agtggaaagc	tgarctttga	ttacttatct	1020
tacttagggc	tgaggagttc	atggacttcg	caaaacctcc	ttgaatctaa	attgcatcct	1080
ctttcctggg	ttctgggctg	aaacatgttt	tttcccatct	wanawaccct	tgggtcttttc	1140
atkgggcgatt	aagactagag	aaagtctctag	atmccctgtc	cttttatgct	gtcattttgt	1200
ttaaaggctt	tctatgtagt	aaaactatct	atatagacia	aatagagcct	tgagttgtgg	1260
tcttgaattt	gatcaacatg	atctaccaca	ttctgtactg	gatatttctt	cacctgctgc	1320
tactgtaaac	catttttattc	ttggatcttc	tgtagagtat	attatcacag	gtactttttta	1380
caggggtgtc	taatcttttg	gcttccctgg	gcacattgaa	agaagaagaa	ttgtcttggg	1440
ccacacatca	aatacgctaa	cactaataat	agttgatgag	ctaaaaaaa	aaaaaaaaag	1500
gcaaaaaagn	cccaaaa					1517

<210> 127
 <211> 1073
 <212> DNA
 <213> Homo sapiens

<220>

<221> SITE

<222> (495)

<223> n equals a,t,g, or c

<400> 127

tgaatctatt	ctttgaacat	tctacaacaa	gaattacatt	atactgttat	accagagtac	60
ttctgcagtg	tgaaatagat	tggtttgaa	aatgaacctg	gctttgctat	aaattacatt	120
cacaggcctt	tttgcaaag	tgtaacctgc	ctatcaaagt	agtttgtagg	gcaaattgcag	180
aatatatgtc	tccatctggt	aaagtacctt	wtaytcatgt	gggaaatcaa	gtagtatcag	240
aacttggtcc	aatagtccea	tttgttaaag	ccaagggccca	ttctcttagt	gatgggctgg	300
aggaagtcca	aaaagcagaa	atgaaagcct	acatgggaatt	agtcaacaat	atgctgttga	360
ctgcagagct	gtatcttcag	tgggtgtgatg	aagctacagt	agggrmgatc	actcatgmta	420
ggtatggwtc	tccttaccct	tggcctctgw	wtcataatctt	ggcctatcaa	aaacagtggg	480
aagtcaaacg	taagntgaaa	gctattggat	ggggaaagaa	gactctggac	caggtcttag	540
aggatgtaga	ccagtgcctg	caagctctct	ctcaaagact	gggaacacaa	ccgtatttct	600
tcaataagca	gcctactgaa	cttgacgcac	tggatatctg	ccatctatac	accattctta	660
ccacacaatt	gacaaatgat	gaactttctg	agaagggtgaa	aaactatagc	aacctccttg	720
ctttctgtag	gagaattgaa	cagcactatt	ttgaagatcg	tggtaaaggc	aggctgtcat	780
agagttatgt	gttagtctca	ggagtcttaa	cttttgaaat	atgttttact	tgaatgttac	840
attagatatt	ggtgtcagaa	ttttaaaacc	aaattactgc	tttttgaaac	ctcaaattat	900
ataatgtatc	ctatgtatgt	gctttatatt	gtta-cttg	tatacattaa	aataattctg	960
aattatttaa	tctgatatgt	tgtattctgt	atcttgaaat	ttttgtttcc	ttgaaacatg	1020
catgcattta	aaaataaagc	ttaaacaaact	gtaaaaaaaa	aaaaaaaaaa	ctc	1073

<210> 128

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (273)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (294)

<223> n equals a,t,g, or c

<400> 128

caacccctgc	cttttttttg	ttttccattt	gcttggtaga	tcttcctcca	tccctttatt	60
ttgagcctat	gtgtgtctct	gcccgtaga	tgagtctcct	gaatacagca	cacttactgg	120
tcttgactct	gtatccaat	tgccagtctg	tgtctttcat	tggagcatt	tagccattt	180
acatttaagg	tkaatattgt	tatgtgtgaa	tttracytr	tcattatgwt	gttagctgg	240
tattttgctt	gttagttgat	gcagtttctt	ccnggcacat	atggtcttta	caanttgga	300

<210> 129

<211> 1275

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1152)

<223> n equals a,t,g, or c

<400> 129

ggcagagcct	gtccctgctg	cccctgcaaa	aaaaaccccc	tctggtgtga	gcaggatggg	60
tggaggttat	gtgagctcct	tctcctttcc	tccagtttcc	tcttcccttc	tcttccctgc	120
ctcttttgct	tttccctttc	ttcctgggtac	cccctgcccc	ttcctgratt	ttctcccatc	180
gccattctcc	cctctcccac	tgtcccctaac	ccgttcaaac	tctttcctct	taaatgggtg	240
agattttctc	tcaccaagca	caccccagta	ttaattaaac	tagctgcaaa	caggcagcaa	300
gtggtctacc	atgacagatg	ggtttttgtg	gtgtgtgtgt	gtgtgtaatt	gtaataaaac	360
atattgarc	actcaataaa	cacagagtgt	ctactacatg	tatcargcac	tatcatagat	420
gctaattaac	gaaactgaaa	tggccaggcc	ctcacagtgg	ctcatgccta	taatcccagc	480
actttgggag	gatgaggcag	gaggatcact	tgaggccggg	agttcaagac	cagcctgggc	540
aacatagtaa	gactccatct	ctacaaaaaa	aaaatttttt	ttattatact	ttaagttttg	600
ggttacatgt	gcagaacgtg	tagttttgtt	acatagggtat	atacgtgcc	tggtagtgtg	660
ctgcacccat	caacccatca	cctacattag	gtattttctc	taatgttaac	cctctcctag	720
ccccccaccc	cgtgacaggc	cctggtgtgt	gatgttcccc	tccctgtgtc	catgtgttct	780
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catccctttt	tatggctgca	tagtggtcca	tggtgtatac	gtgccacatt	ttcttaactc	960
atcattgatg	gacaagtttt	gctattgtga	atagtgccac	aataaacata	cgtgtgcgtg	1020
tgtctttata	gcagcatgat	ttataatcct	ttgggtatat	acccagtaat	gggatcactg	1080
agtcaaatgg	tatttctcgt	tctagatccg	taaggaattg	ccacactgtc	ttccacaatg	1140
tttgaactaa	tntacactcc	caccaacagt	gtaaaagtgt	ttctattttt	ccacaacctc	1200
tccaacatct	gttattttct	gaotttttta	tgaacgtcat	tctaactggc	gtgagatggg	1260
atctcattgt	ggttt					1275

<210> 130

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (471)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (472)

<223> n equals a,t,g, or c

<400> 130

cngaaacccc	gtgaaccctc	cccgggttaa	aaagccccc	ctaaatgggg	ggaacgcytc	60
acacgttata	aaaaagcact	agaatgtttt	gaaagcgaga	aacaacagct	gtgtagggta	120
gctagcagtt	agtgttgtac	agaagacaga	catttgtgca	tttytgcatr	ttctaagttt	180
gctgcaatga	gcatgtatta	ctttcatagt	tataaaacac	atgcaaaatg	ccotttttaa	240
atgaaaaaaa	atccatgagt	gtaagtgata	tatatgcttt	ggaaagcctg	ggacggtcac	300
tgtttactct	caatagtatg	tgtttgcctt	tgtctttttg	agacattttg	ttttaatctg	360
ttgatgacaa	taacctgttg	ataatataac	ttgataacaa	ataaaatgac	ttatgattga	420
awmaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	nn	472

<210> 131
 <211> 1950
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (132)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (225)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (249)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (577)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1933)
 <223> n equals a,t,g, or c

<400> 131
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 gccgtgcctg tnattcgctg gtgtatgatg aggaaatcat ggctggctgg gcacctgatg 180
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 tccagacctt tgattcccg cccagtgtcc ccagcccaa atctgctggg gccagtggca 300
 gcaaagatgc tcctgtccct ggtggctcctg gccctgtgct cagtgaaccga agctctgcct 360
 tgctctggat gagccccagc tctgcaacgg gcacatgggg ggagcctccc ggcggttga 420
 gagggggga tgggcatacc tgagccccct ggtgctgctg aaggagctgg agtcgctggg 480
 agagaacgag ggcagtgagg tgctggcggt gcctgaactg cccctgccc accccatcat 540
 cttctggaac ctttctggtg atttccaacg gctacgncct cccagtattc taccaggcc 600
 ggtgctggcc tcctgtgatg ggccttcgma ctcccaggcc ccatctcctt ggctaacc 660
 tgatccagcc tctgttcagg tacggctgct gtgggatgta ctgacccctg accccaatag 720
 ctgcccacct ctctatgtgc tctggagggt ccacagccag atccccagc ggggtggatg 780
 gccaggccct gtacctgcat cccttagttt ggcactgttg gagtcaagtgc tgcgccatgt 840
 tggactcaat gaagtgcaca aggcctgtggg gctcctgctg gaaactctag ggccccacc 900
 cactggcctg cacctgcaga ggggaatcta ccgtgagata ttattcctga caatggctgc 960
 tctgggcaag gaccacgtgg acatagtggc ctctgataag aagtacaagt ctgcctctaa 1020
 caagctggcc agcagcatgg gcaaggagga gctgaggcac cggcgggcgc agatgccac 1080
 tcccaaggcc attgactgcc gaaaatgtt tggagcacct ccagaatgct agagacctta 1140
 agcttccctc tccagcctag ggtggggaag tgaggaagaa gggattctag agttaaaactg 1200
 cttccctggt gccctcatgg agtctgggaac aggcctggga ggatgccag tcaaaggctc 1260
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 tgacgttgct gaaggagccc aaggctctcc atgccttctt acctaatgtt ttgtatttta 1620

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taatttttct	tgccctgcccc	gccttgggga	atgcctcacc	cacccaggtc	ctgacctgtg	1860
caataaggat	tgttccctgc	gaagttttgt	tggtatgtaa	tatagtaaaa	gctgcttctg	1920
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<210> 132
 <211> 990
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (657)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (852)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (859)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (962)
 <223> n equals a,t,g, or c

<400> 132	
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accaaagctt	cttatattaa
agcctgatct	ttttcatatt
agtatatgta	cattagctgc
ctgtggatta	acatttccat
gaaatgtatt	tttgcattgt
ttgarcttaa	actttttgtg
tctttatata	aggtatgcty
cttttaagca	tgatattttt
aaccacaata	gttgaaagac
aatctycacc	ttttacttgt
atattttacat	gtaatgtaat
ttttgatgca	tattacgtct
tattatttaa	ccaacctatt
ttatttttato	tagggcattt
ttcagaaagc	cttattttct
tgtattaatc	aaatattttt
aycattgtat	tttccyctat
tagttagkaa	tacgktacyc
yaaatatata	ttgtggstat
tttcagaatt	gcaatatgcc
tccttaattt	actagaggct
aacctaaatt	attaacttta
ccacttactt	gaaaattctg
gaactttaga	acatttattg
ttctatgcat	tttaattcta
cttgatattt	tactactcct
aaacattatt	attgttttag
acaagccaaa	atataatnttg
ttattatctt	atytccactt
tctttctgta	tttttatgcc
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ttctatgtga	tgaacctaat
tcagtacttt	tgttttttta
tctgtgcagg	tagcctggcc
attaaatttt	tatttttggc
ttgctgaaaa	aattgtgttt
atttctatat	gcatacttat
gcataatagaa	tnctaggtn
acataatttt	agtattttata
aatgtaaagt	cattwattkg
gcttctatca	tttckgtkga
gaaatcaatt	gtcagcccaa
tagtttttca	ttttaaatta
cngaattttt	tcattgtctt
ggtttttagga	

<210> 133
 <211> 1720
 <212> DNA
 <213> Homo sapiens

<400> 133

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ggatatagag	actcaacagt	gacattttat	gtacaacatc	aaggggaata	ggatactcat	180
caaactggga	ttattcttat	caaaacatgg	tcttctttga	ataagaaaaa	tacatagttg	240
gttattatgg	acttaaaact	gtgtctaaatg	gatatcttga	taaaaatatt	gctgctctgt	300
agagtgtgga	aaatctgaga	atattagctt	tactcatctt	gagctttgag	gatgttctct	360
gtacgccgat	ggtttcatac	taactaaaaa	agctgggtat	tgtaaaatct	catttataaa	420
aactcagatg	agaagaaaaa	tttctttgat	ggtgagactg	ttgtcttagt	tcaggaaaatt	480
atttaataat	cctttgttac	ctgtgaatga	aggaactttg	taattctgat	ttatcgtaaa	540
acatgagcct	ttccagagtc	agcttagaca	ctgttgcctc	aaatagccat	gctttgcctc	600
atgccaaagg	ggcccagagg	gagggcctag	tcttcctctg	ttgctgtaca	tatattgaaa	660
tgcttttttt	ttttattttt	catttggtat	ctataatgag	cctttctgagc	cctgatatta	720
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gctgtataat	agcagcagcc	tcttttagag	catcttaatg	aaaacatgga	tgaagggaat	1020
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ttctcaatca	cattttcaatg	tttgtggaga	gtggcagatt	cacaccagaa	acactaggtg	1140
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taaagtattt	tgcttagtgc	attttgttta	tgattgcagt	gtttgtttct	tatttaatat	1500
gctttttact	tcattctatt	aaattttagt	gtttagaaga	ggcgggtact	gtcactgtgt	1560
aaaatatgta	atattttata	tggtatacca	tgctatatat	acttgcaata	tcagaccttg	1620
cattcaatat	acaatgcaat	tgactctttg	cagacctgca	tttttcagtg	aacaataaaa	1680
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<210> 134

<211> 705

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (409)

<223> n equals a,t,g, or c

<400> 134

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ttaaaatatag	caccttttat	taaccagttt	caggtaacct	tacgtgtatt	tttggacct	240
tcctcattgc	cctgtatacc	tttaagcaag	ccagtggaac	tcttaagact	agatttaaat	300
actccgtatt	tgaacacctc	taacagagaa	gtaaagggtat	acgttctgtna	aatctgggaa	360
gacttgactg	ctattccatt	ttgggtatca	tatgtacctt	gatgaagang	attaggttgg	420
gatacttcaa	gtgaagcctc	ccactggaaa	caagctgcag	ttgtttttaga	taatcccatc	480
cagggttgaaa	tgggagagga	acttgtactc	agcattcagc	atcacaaaag	caatgtcagc	540
atcacagtaa	agcaatgaag	agcagttttc	caatgaaaac	tgtgttaata	gagcatcaac	600

aagtacaaaa ttcttgtctt aattagtggg ggtatataaa aattccttgt aatgggtcaaa
tatttttttaa aattgacatt aataaagcat attttaaaag ttctt

660
705

<210> 135
<211> 323
<212> DNA
<213> Homo sapiens

<400> 135
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tgctcagga gctttccag acccggaatg tttggcgctc acagacyctg gcaaggatcg 120
gtattgctgt tctcagttt tgcttggga aatggaggst cagtgcggtt cagtgcggtg 180
cccagagtca tgccattggc gggtaggcca gkgmtccagg tctccagcac cctcggccc 240
cctcctcacc aggtcacatc atctcctgga ttagaatctg ctcacatagt ctgtcctgaa 300
aggaaaaaaa aaaaaaaaaa aac 323

<210> 136
<211> 582
<212> DNA
<213> Homo sapiens

<400> 136
ggacggaatg gtgcaaccct cctwamtttt ctkgkgtgt tgacaacaga gggagggagg 60
gaaaacattt ttygtgggag aatcctacyt ctgcagsgga gcccttaagc gatkgatttt 120
gaatctkgac cctttaccaa ctaattttga aggaagatac cttggaaata tttggcattc 180
agtgggttac tgaaacagca ttagtgaatt catctagaga actctttcat ttattcaggc 240
aacaactgta caacttggaa accttgttac agtccagttg tgattttggg aargtatcaa 300
ctctacactg caaagcagac aatattaggc agcagtggtt actattttct cattatgtta 360
aagttttcat cttcaggtat ctgaaagtac agaagtctga gagtcatgtt cctgtccatc 420
cttatgaggc tttggaggct cagcttccct cagtgttgat tgatgagctt catggattac 480
tcttgatat tggacacct tctgaacttc ccagtgttaa tataggagca tttgtaaatt 540
aaaaccagat taaggtttga ctggtttcat ttgattttta ag 582

<210> 137
<211> 1021
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1004)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1014)
<223> n equals a,t,g, or c

<400> 137
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gatttgctta	gtgtcatttc	atttcggttt	cttttctcgc	catgtttttc	tgtcgggaatt	120
acgggttcgtt	ttgggttctat	gtactctcta	aaatgttatc	gttttttcatt	tgtctactaa	180
tttttcgtgca	tttgttacta	ctgagtttct	taatatctga	ctggcctcog	cccacgggct	240
ctgcaganca	taaaatactc	aggctgatgg	tagtgagag	actctccctc	cttgatcagc	300
gcaaacggtt	gtctgaggct	tgagggatgg	agcaacattt	tcttggtgtg	gtgaagcggg	360
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ccctccagcc	gtggcgccac	ctcccgggtt	tctcagactg	cctggagtgg	attcttcgcg	840
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agccttagat	agcagcagaa	ggcttttttg	attctcctcc	ttgaaaagat	tctcagttac	960
caaacgtctc	cacctagaaa	ataaaaatac	attaagatgt	tganaaaaaa	aaanaaaaaa	1020
a						1021

<210> 138
 <211> 1777
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (58)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (118)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (237)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (661)
 <223> n equals a,t,g, or c

<400> 138						
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tagctcactg	cagccttgaa	ctcctgggct	caggcaatcc	tcctacctta	gcctcctgag	180
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tgggatctca	ctatgtttgc	caagctgggt	tcagattcct	gtgctcaagg	gattctgcta	300
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tttttaagaa	aaagatgcag	aggtgttaaa	tattaatatc	aaattgtcca	ggcatgggtg	420
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attcctgcct	catcatcttt	cttcattgat	gctccttaat	gtcaaaggaa	tctctctctc	540
tcacacacac	ataagaccaa	aacaaatarc	ttgaacaatg	aaaaaaatag	tctacgcttt	600
tgaatagtgt	gcactgttga	atagtgtgca	ctgttggata	gtgtgcactg	ttgaagtgtg	660
natgtgccta	aggcaacagg	atcttgggaa	agctctagat	ttttggcytc	gaaataaaac	720
tgcattgtga	atagcagggt	tttacactta	ttattgtctg	gtatttctct	ccctttttgc	780

aatactatct	acgctgagtt	atctattgoc	aactagcacc	aattctccaa	atcaaagtgt	840
gtgaggaaaa	cacactcgtg	caatccctct	taacagaaga	tacaccaagt	aacctgtctg	900
tctacttctg	ttaccagaa	ataaaagaac	ttgaagggt	gcttggtg	aggggtccgg	960
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tccagtacag	gccgactgct	gagttgtaga	caagagacca	gacatagggg	ataaaaaact	1080
cctcgggctg	ctcctcttcc	acatatttga	atctcaattc	tggaaatttc	ttcagtctgt	1140
ctttgggcag	cgcaacgacg	ccttgcttaa	tgatttccag	gacccgttcc	actgacagct	1200
cagctcccag	cttgacgcaa	ccttgagcta	aagaaggaga	tcaccagatc	aatattttgc	1260
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agggcgata	ccaagtttgg	gttgctgtga	aggggaatttg	tcaggcagga	gttgatgac	1380
tctaactca	ttcgaatcac	ttcttcaatg	acatttaggt	cttggtcata	atctggtaga	1440
ggaacatcat	tagaactcag	cgaacctctc	aaggactgtg	tggcttgttc	cagaactttg	1500
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agagaacgaa	actgtgccga	catatttgct	aaagctgcc	aacaatttgt	gtgaagggtac	1620
ttgtctcgtg	tcctagtcat	gttgatttga	atggttctta	ttaccaccag	gatcaggaga	1680
ctccccaaag	agatttcagt	taaaactcgt	tctgaatacc	aagtaatat	ttttagtatc	1740
acttcatgaa	tggatctgtt	gaagccatca	tcttccg			1777

<210> 139

<211> 643

<212> DNA

<213> Homo sapiens

<400> 139

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cggcagcctt	ggtgaccttg	agcacgttga	agcgcactgt	cttgctcaga	ggccggcact	180
cgcccaactgt	gacgatgtca	ccgatcttga	cgcccaactgt	gcagggggac	aggtgtacag	240
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cctcgaatgg	acacattacc	agtgaagggg	catttcttgt	caatgtaggt	gcccccaat	420
agcctccttg	gggtgtcttt	gaagcccaga	ccgatgttct	tgttagtaac	ccgcccggagc	480
ttctccttgc	cagtttctcc	cagcaggacc	ctcttcttgt	tttgaaagat	ggtcggctgc	540
ttttggtagg	cacgctcagt	ctgaatgtcc	gccatcttct	cgtgccgmay	tcctgcagcc	600
cgggggatcc	actagtctca	gagcggccgc	accgcggtgg	agc		643

<210> 140

<211> 1220

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (404)

<223> n equals a,t,g, or c

<400> 140

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gagtagctgg	gattacacgt	gcccaccacc	acgcccagct	aatattkgta	tttttagtag	180
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tgttctgttt	taaaagatgg	artttcactc	ttatgcctcc	ggctggaktg	caatggcacr	360
atctcggctc	accgcaatct	ccacctcctg	ggctcaagca	attnttctgc	cccagcctcc	420
caaagtgtct	gaattacagg	tgcccgcac	catgcccaac	caatttctcg	taytcytagt	480
agaggtgggg	tttcacaacg	tkggccaggc	tggttcaaaa	ctcaaaytoc	tgacytcagg	540

tgatctgccc	actttggcyt	cccgaaatgc	tgagactaga	ggcgcgagcc	accacgcctg	600
gcctacaaac	acattcttgt	ttgggttttt	atataaaata	tgagcacaaa	aatactttcc	660
ctaaatacag	cctctggctt	tgcctaacc	ttggcacaca	accaagtacc	tcttccattc	720
tcagatacgt	gaggggagtg	tatagagggt	tagagtacat	acgtttcttc	tccaactctt	780
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cacctgaaat	caccatccgc	tgaatctcac	tcttctcctt	ggctctctgc	agaatgcgtc	900
cttcaatggg	gccttttacag	atgagccggg	acacagtaac	ctgctttgtc	tgccctaagc	960
ggtgggccc	gtccatggcc	tgctgggtcca	cagtgggggt	ccagtcgcta	tcatagaaaa	1020
tgcactgtgt	ctkcagcagt	gagattgata	cccagtcctc	cagctcgtgt	gcttaacagg	1080
aacacaaaaga	tgctattccc	gttctgaaaa	tcagcaacca	tgtctcgctt	ctccgagatc	1140
ttggatgagc	catcaagcct	yatgtaggta	tgcttctgt	aaaccatgta	ttcctccagt	1200
aggtctatca	tcctcgtgcc					1220

<210> 141

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (623)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (626)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (638)

<223> n equals a,t,g, or c

<400> 141

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tcaacagtgc	tgcaagagga	tggttattta	acgttgcccc	ccaaggagga	aaggcacaga	180
cyttcctccc	tcctggaaca	tccaagggca	ctggatcctc	tgtgtccctc	tgagatgggg	240
tgccactcca	gcaagagcac	cacgggtggca	gctgagtcct	agaagcttga	agaagagygc	300
gaggaagag	agccagggtt	ggagaccggc	acccaggcag	cagactgcaa	ggatgccccg	360
ctgaaggatg	gaacccttga	gcccagagc	tgaaatgcct	ctctccagag	tcggaccctc	420
acctcyttcc	tggaactgcc	tttggcccca	gaaccatgag	acaatcccca	ccctgagaag	480
ctccgatcac	tgggaggaga	gagaaaagcct	ccagctttgg	gattcagggt	tcagaagtct	540
ttagcagcct	ttgctcattg	gagaggtggg	gaaaggataa	agttcttata	aggaaatccc	600
taattttccc	cagctcctcc	ccnccngaag	aaggaacnaa	agaaagtctc	ttccacacgt	660
tttgttggaa	acttttccct	tgccaacttt	ccttggattg	ccagaacaaa	gcctccaga	720
a						721

<210> 142

<211> 1468

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (901)

<223> n equals a,t,g, or c

<400> 142

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gttttattct	caaaatatag	agattctgtg	atcttatttc	cctgtttatg	gattaaaaag	180
aaaattctaa	tataaagcat	ttcaatagga	tgcataggta	tattacgttt	tttaaatgct	240
ttagatctgt	gattcttgac	ttactattta	ttttatcccc	tttaagtcag	ggatgcttta	300
ttctatttta	aagcacttat	gagttacatg	ttgtaatcaa	gtttgcacaa	tatatttatc	360
tatatgagga	acccataaat	gaatagctaa	ttttttaa	gccattaaaa	tgcatgaaat	420
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gaaaaaaaaa	ttctcattat	ttgcaaagaa	tgaacaagtt	aatgaacaaa	caaactagat	600
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<210> 143

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (268)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (284)

<223> n equals a,t,g, or c

<400> 143

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tctgttaate	ttttgtattc	rtttatgctc	tcgtacattg	agtactttta	ttccaaaact	180
agtgggtttt	ctctactgga	aattttcaat	aaacctgtca	ttattgctta	ctttgattaa	240
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<210> 144

<211> 2243

<212> DNA

<213> Homo sapiens

<220>
 <221> SITE
 <222> (929)
 <223> n equals a,t,g, or c

<400> 144

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tcccccttct	agctccatgg	gactcgcccc	aagactgtgg	cttcaaggac	caccagcccc	120
ttactcttca	agccctgact	gtggagttgg	tagatgcctc	tgatccctcag	tattctctct	180
ggcaatgttc	cacggcttct	ccttcctggg	agctggctcc	ataacttgat	tttccccaaa	240
cgtgttgcaa	tccctgctgc	cccttagcca	cccagggtct	tgtgtgggta	tgagtgraga	300
ggatgggggt	atgccaggcc	tgggccgtcc	caggcaggcc	cgctggaccc	tgatgctact	360
cctatccact	gccatgtaeg	gtgcccagtc	ccatttgctg	gcaactgtgc	atgtggacgg	420
ccgagtggcc	ttycggccct	cctcagccgt	gctgctgact	gagctgacca	agctactgtt	480
atgagccttc	tcccttctgg	taggctggca	agcatggccc	caggggcccc	cacctgggct	540
ccaggctgct	cccttcgcac	tatccagccct	gctctatggc	gctaacaaca	acctgggtgat	600
ctatcttcag	cgttacatgg	accccagcac	ctaccagggtg	ctgagtaatc	tcaagattgg	660
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cgggaaacacc	cttcccagtc	cccctccagc	agctgctgcc	agccccatgc	ccctgcataat	840
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aaaaaaaaaa	aaaaaaaactc	gag				2243

<210> 145
 <211> 1082
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (265)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (354)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1064)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1081)
 <223> n equals a,t,g, or c

<400> 145
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 aaccatctcc cacaattaat tcttgactat ataaatttat ggtttgataa tattatcaat 180
 ttgtaatcaa ttgagatttc tttagtgcct gcttttctgt gactcaactg cccagacacc 240
 tcattgtact tgaaaactgg aacancttgg gaatgccatg gggtttgata atctgccagg 300
 gacatgaaga ggctcagctt cctgggacca tgactttggc tcagctgac ctgnacatgg 360
 gagaacaacc acatttttct ttgtgtgtgc ttctagcagc tgctcgggag gaccktgacc 420
 caayagtgtt cccatgctgt tctttgtgaa atgctctcgg ctatgtagca gcttttgatt 480
 ccctgcatac cctaggctgc tgccctatc ctgtcccttg tttataacat tgagaggttt 540
 tctagggcac atactgagtg agagcagtg tggagaagtc gggaaaatgg tgactacttt 600
 tagagcaagg ctgggcatca gcacctgtcc agctctactt gtgtgatgtt tcaggaactc 660
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 tgctaatttt gtgggttttg ttctccact atggtaggac ccctggccag cattgtggct 960
 tgtcatgtca gccccattga ctacctctc atgctctgag gtactactgc ctctgcagca 1020
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 ng 1082

<210> 146
 <211> 4313
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1126)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (4015)
 <223> n equals a,t,g, or c

<400> 146
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 ctacggctcg gctccccgcc cgccgcagcc cactgttgac ccggcccgta ctgcggcccc 180
 gtggccacca tctccctgca cggcaaacgg aaggagatct acaagratga agcgccctgg 240
 acagctctac cgatgaactg gagtgtgcgg cccgataagc gctttcgctt ggcgctgggc 300
 agcttcgtgg aggagtacaa caacaaggtt cagcttctg gttcagatga ggagagttca 360
 gagttrattt gcagaaacac ctttgaccac ccatacccca ccacaaagct catgtggatc 420

tggcccagct	ggtgatggcc	cttttgctcc	tggcagcctg	aggcacagct	gcctgtattg	3960
tcctcatctg	ttctgactga	aggatggagg	tgctgaataa	attaggcctc	aggcntctac	4020
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agcattggaa	tcctcttctt	ccagggagga	attagcctgc	aagggttagga	cttgaagagg	4140
gaaggatatt	aataactggg	cgaggatggg	tgtgggtggc	cacacctgta	atcccagcat	4200
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<210> 147

<211> 1183

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1053)

<223> n equals a,t,g, or c

<400> 147

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ggagttccgg	ggccgggttag	agaggaccaa	atctcagggt	cccctgactg	tggtgtgcta	120
tcakwygggg	agtgtctact	cagctgctat	ggtcacagcc	ctcaccctgt	tggecttccc	180
actttctgctg	ttgcatgcgg	agcgcatcag	ccttgtgttc	ctgcttctgt	ttctgcagag	240
cttccttctc	ctacatctgc	ttgctgctgg	gatacccgtc	accaccctgt	gtccttttac	300
tgtgccatgg	caggcagtct	cggcttgggc	cctcatggcc	acacagacct	tctactccac	360
aggccaccag	cctgtctttc	cagccatcca	ttggcatgca	gccttcgtgg	gattcccaga	420
gggtcatggc	tcctgtactt	ggctgcctgc	ttgctagtgt	ggagccaaca	cctttgcctc	480
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acagtggagt	atgatcccta	actcctgatt	tggatgcac	tgagggacaa	gggggkcggt	1140
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<210> 148

<211> 734

<212> DNA

<213> Homo sapiens

<400> 148

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gatgtcgcca	gcattacctt	ccactgcctt	tctccctggg	aagcagcaca	gctgagactg	180
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gagaagaagc	tctcatacgc	cttcccactc	cctctggttt	ataggacttc	actccctagc	360
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agtcttccct	cctcttcaag	cgtttcatgt	tgaacacagc	tctctccrct	cccttgtgat	480
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ggccccctttg gctctccctc actctctgag gctccagctg gtccctgggac atgcagccag 660
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<210> 149
<211> 1405
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (604)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (842)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1079)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1334)
<223> n equals a,t,g, or c

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<400> 149
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aagsaaacca gagggaggta gacagggaga tcagggtccct tctactctgg ttcctgctct 180
gtgaaattgt ctgaggctgg ctgtgtccag arggtccctg gttctctcar ggatgccaaa 240
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ccttgaggta gtagcagcca gggtctttct atctctgggt tagtgcatca tctctgggtg 360
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<210> 150

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<211> 2890
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (45)
 <223> n equals a,t,g, or c

<400> 150

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agtggctccc	atgataatat	acagacgac	cagcaccaga	gaagctggga	gactcttcca	180
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catacggacc	aaattatggt	ttctgatcat	agcacaaagt	ataacaggca	aaatcaaagt	300
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2890

<210> 151
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 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

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ttgggaggga ccagtgcacc tctccctctg aattgttcnc caatttaaaa ttggagtaag	240
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gaggcacatt ttaaatatca gaattagatt agctttgagt ttgtacaatt gggaacataa	360
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 <211> 802
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 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

<220>
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<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (777)
 <223> n equals a,t,g, or c

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 tattgtgtta ccatttgtgt tccatttgcct yctttgtatt gttgcattta gtacaatcag 600
 tgtttaaact tactgtatat ttatgctttc tgtatttacc agctatttta aatgagctgt 660
 aactttctag taaagaattg aaaagcaaat cctcactaaa ggatacacag gataggataa 720
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<210> 153
 <211> 461
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (437)
 <223> n equals a,t,g, or c

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 tggaagagtc gtaccaagta caccattaca ccagtgaaga tgaggaagtc tggggggcga 300
 gaccacacag gtgggaacaa ggacaggggg atttaagcag tcaaaaaggaa aaacatgtta 360
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 aagcacttat ttggcwnaaa aaaaaaaaaa aaaaaaaaaa c 461

<210> 154
 <211> 2388
 <212> DNA
 <213> Homo sapiens

<400> 154
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 aaccgaggcc ggcgcttcaa gtgggccatt gagctaagcg ggcctggagg aggcagcagg 180
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 <211> 642
 <212> DNA
 <213> Homo sapiens

<400> 155						
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<210> 156

<211> 1251
 <212> DNA
 <213> Homo sapiens

<400> 156

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<210> 157
 <211> 2127
 <212> DNA
 <213> Homo sapiens

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<220>
 <221> SITE
 <222> (1212)
 <223> n equals a,t,g, or c

<400> 157

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<210> 158

<211> 1625

<212> DNA

<213> Homo sapiens

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<222> (44)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1066)

<223> n equals a,t,g, or c

<400> 158

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cttccat	ttta	atagaa	actt	tgaaat	ctctg	gggta	aggg	gcagt	ggggg	gactagg	ggag	900	
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agtctgt	ttt	tgata	attgtc	agatgt	attc	tacct	tgga	gtccc	nacac	ctaa	actgga	1080	

attcttgtat	ctacatctcc	tccactgtcc	cccacaccac	ccctcaattc	ctgctgcccc	1140
tgctaattgtt	aagcattttt	ctcttgtrtat	catcagggttc	acattaaaam	cagrtactta	1200
caaactgact	tgaagcacag	atactttttac	gaatgtgata	aaatatttttc	ttaagaaaag	1260
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tgttgctgaa	ctatgtaact	ttatgatgca	tttttcagtc	ccttttcaga	gcaaagtgtt	1560
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<210> 159
 <211> 1687
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (334)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (505)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1044)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1670)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1678)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1683)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1684)
 <223> n equals a,t,g, or c

<400> 159						
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acatctctgg	atagtgaact	ggatccagag	gagctggcag	gagtcagggg	acatcagggt	180
ctaagggacc	aaaagcgtat	gcgacttact	gaagtgcaag	atgataaaga	ggaggaggag	240
gaggagaatc	cactgctggt	accactggag	gaaaaggcag	tactgcagga	agaacaagcc	300

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aacctgtggt tctcaaaggg cagcttttgcg gggnatcgag gacgatgccg atgaaggccc 360
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agaagcagca gctgccacag acacccccctt cctgttttgaa gactgagata atgtctcccc 480
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cgtggtgaac acagtggaca tctncagaac gagagaaagt ggcacagctg cgaagtctct 1080
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gacccttttt ttaaaccgtt aaagggaagt tcggtgttgg agcgatactc aatgtagtca 1560
gtctacacct ggacgtgtgg gccacttaag cctcccccac ccccatccta ttcttraata 1620
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cannttt 1687

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<210> 160
<211> 1842
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (19)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (62)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1793)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1834)
<223> n equals a,t,g, or c

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<400> 160
ggatgacaga ttgcgacana gatttgtgac ccttctctgct gaacttcaga gggagctgaa 60
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cgcactctgtg ccccgagaat cctttacttc atctaaaggc agcagtgaag gaaaagaaaa 180
gaaacaagaa gaaaaaaacc attggttcac caaaaaggat tcagagtcct ttgaataaca 240
agctgcctaa cagtcctgca aaaactctgc caggggcctg tggcagtcct cagaagttaa 300
ttgatgggtt tctaaaacat gaaggacctc ctgcagagaa acccctggaa gaactctctg 360

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cttctacttc	aggtgtgcc	ggcctttcta	gtttgcagtc	tgacccagct	ggctgtgtga	420
gacctccagc	acccaatcta	gctggagctg	ctgaattcaa	tgatgtgaag	accttgctca	480
gagaatggat	aactacaatt	tcagatccaa	tggaagaaga	cattctccaa	gttgtgaaat	540
actgractga	tctaatagaa	gaaaaagatt	tggaaaaact	ggatctagtt	ataaaataca	600
tgaaaaggct	gatgcagcaa	tcgggtggaat	cgggttgga	tatggcattt	gactttattc	660
ttgacaatgt	ccagggtggt	ttacaacaaa	cttatggaag	cacattaaaa	gttacataaa	720
tattaccaga	gagcctgatg	ctctctgata	gctgtgccat	aagtgtctgt	gagggtattg	780
caaagtgc	gatagtaatg	ctcggagttt	ttataatttt	aaattttctt	taaagcaagt	840
gttttgtaca	ttctctttca	aaaagtgcc	aatttgtcag	tattgcatgt	aaataattgt	900
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aaacaggatc	aaggattaat	ggtataaaaa	tctctactgg	ttaccgggtg	gcngggccat	1800
acagggtagt	ggtggatgga	tagtttagtt	tggnagggt	aa		1842

<210> 161
 <211> 770
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (744)
 <223> n equals a,t,g, or c

<400> 161						
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gtgtcttctg	tcattgattgt	aagtttctctg	aggcctcccc	agctatgtag	aactgtgagc	180
caattaaacc	tcttttctct	ataaattatc	cagtcttata	tatttcttca	tagcagtgtg	240
agaacagata	ataccgtaaa	ttggtatcac	agagagtggg	gtgttgctat	aaacacatct	300
gaaaatgtta	aagcaaat	ggaactgggt	aacaggcaaa	ggctggaaca	gttkgaagaa	360
cagtttaagaa	gaagacagga	aaatatgaga	aatcttgaaa	cttcctagag	tcttaaagggt	420
ctcagaagac	atgaagatgt	gggaagcttt	ggaacttctc	agagacttgt	ttgaatggct	480
ttgaccaaaa	tgctgatagt	gatattggaca	atgaagtcca	ggctgagctt	atccagacag	540
acataagaag	ctcgtgggga	acttgagtaa	agatcactct	tgctaggcaa	agagactggt	600
ggcctttttt	cctctgccct	agagactctgt	ggaaatctga	acctgagaga	gatgatttag	660
ggtatctggc	agaagaaata	tctaagcggc	aaaaccttcm	agaggaagca	gagcataaac	720
gtttgaaaaa	tttgcagcct	gacnatggga	gaccaaagtt	aaacccaatt		770

<210> 162
 <211> 519
 <212> DNA
 <213> Homo sapiens

<400> 162
gaattcggca cgagctgaga ggcacaggag caacagccag tgccccctgc agaggaccac 60
tgggggtcaca gacttcarac ctgatgacct gggctcagat cccagctctg cacctaccag 120
ccgtgtgaca aggtgtcctc tctgagcctc agtcacacac tgcccttaacg gttggggcctc 180
atggagctgt ttgtgaaggt taaatgggaa gacataaagc acttagccca gagccaagga 240
catgctgaat aggataatgg tggcctcctt tggcgtctgt ctgggtgcagg tgtgccgagg 300
aaytgggcag ggggtgacaga tacctcttct aacctagtct ctttccaaga acctaatgg 360
tgtctctccc tccccagggc aattggaagg aggaggctgg gccccagccc cagaatacgg 420
gagggtttctc accgtggtag ggaaattgct ggggttggggg tgtgggcaac cacagtgate 480
gtctctctgc aggacggatg aggctttgct gacagagggc 519

<210> 163
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (720)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (730)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (736)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (741)
<223> n equals a,t,g, or c

<400> 163
ggcagcagcg gcacgagcag ccagttgctg actggcacat ggccctccagc gtccccggctg 60
gtgggcacac tagagccgga gggatcttct taattggtaa attggatctt gaagcttcac 120
tgtttaaatc ttttcagtgg ctcccttttg tacttagaaa aaaatgcaac ttctctctgt 180
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cctgccatgc ctccgatact caccttttgt accccagcac ccgtgcccctc tgccccctoga 300
tctttgcctg gctgggtgct cctcactcag tgttcaggac aaatgctcct ggccctaccc 360
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tttgttwact tgtgtgctgt tgactttttaa ctctctcagt cccactgga atgcaagcga 480
tctcccaagc tcttagaatt gttcctgcct cttcacaggc ccttacgctg tgtgtgctcg 540
tgccgaattc ggcacgaggg tatgtgcact tgctggtatg tatgtagggtg tttgctaaca 600
catacgtgca cagcagaat gcttccaggg gactgcacag cctctagttc gcagccccca 660
ccctccctt tgsccttgca ctctcccctc tctgagctgc attcgcatga aagggtgcan 720
ggttctctgan cccgcnagcg ncacctcctg gga 753

<210> 164
<211> 1893
<212> DNA
<213> Homo sapiens

<400> 164

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ttctgcaaac	agtgtagtaa	gaaaggtaat	ttgagaattt	ccaagatgt	tctcgctagc	180
cattattttat	ggtaattaca	taacattttg	atgtcaagtt	attacagact	taaaagttaa	240
tatagcataa	ttttacaatc	gtactttcac	tatgattttt	attttaaccc	tggatattat	300
tggtttgaag	cctaatattat	cagtcctatt	ggctgtcact	gtcacagatc	tgaagatatg	360
tttaaatcca	tcaagctagg	aagatatcaa	aatattaaca	atcttcaagt	atagtggagaa	420
aaaaactgat	ttaagtgtta	gcatttctaa	acttgagact	ctaacagtaa	aaacaaaagta	480
atctgaaacc	tgttttccatg	ggtaaaaacac	tctgcctggg	attcttgtac	acaaaaattta	540
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aaattcaatg	tgactatgat	ccttttcaat	aatacttyca	atgacattgt	gcttcttttag	660
aaaaatcact	taagttgtag	catacaatag	ttaacattag	ttcttttatt	gctatgggat	720
atgctaattt	ttttaaaagg	ggaaaaaaa	accagagaa	cttattaaaa	tgtttgttaa	780
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ccatcctcag	aactaactca	agacaagaga	tctgtattca	aaaagataaa	acaatctcat	960
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aaatgggata	gagagtaaga	agacaggaga	gagaggagaa	accatgtttt	ttcggacgcg	1860
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<210> 165

<211> 2153

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1670)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2134)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2135)

<223> n equals a,t,g, or c

<400> 165

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cagggctcaa	gggctgtggt	ccgctcaggg	tctcatttcc	ccaggccaag	ttcaaggcag	180
cagccctttg	tgaggcgctc	ttggccctgg	gctggaggga	gaactttaag	cttttttgct	240
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tatgtcaaaa	ataaagccgc	tagaaacgga	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2100
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<210> 166

<211> 1251

<212> DNA

<213> Homo sapiens

<400> 166

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atcttcgccc	tcgtctgggt	cctccactac	cgagaggggc	ttggctggga	tgggagcgca	180
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<210> 167

<211> 882

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (522)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (752)

<223> n equals a,t,g, or c

<400> 167

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<210> 168

<211> 1208

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (161)

<223> n equals a,t,g, or c

<400> 168

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gaatatagat	gaagctgggc	tcatttctat	tttccaagtk	nytggggggcc	atagtgat	180
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tatggcaaag	taaaaaagaa	aacactgaat	ttcaacttgg	aaaatcagaa	tgctgttgct	300
aatagtatta	gtagcaaata	tattaagrat	gtcaaatatg	tcaaatgctg	ttgtaagtga	360
tttacaata	ttagtacatt	taatctcaca	taaagcaa	taagtaatat	cattagctcc	420
attctacaga	tataaagacc	gagactcagg	traattaagg	tactcacc	aatttacata	480
gcagaactga	aattcaaact	targcaat	gtctccagtc	taagatttta	actgcactgt	540
tattctgtcg	ctgttaccta	ctaattgggt	wacctgtggc	aagctatttt	accyctctaa	600
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agtttccc						1208

<210> 169
 <211> 1258
 <212> DNA
 <213> Homo sapiens

<400> 169						
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<210> 170
 <211> 1624
 <212> DNA
 <213> Homo sapiens

<400> 170						
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tctgggcatg	ctgcttgggc	tgctgatggc	cgcttgcctc	accttctgcc	tcagtcatca	180
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aaaagaaacc	aaagccgagg	aggagctgga	tgccgaagtc	ctggagggtg	tccacccgac	300
gcatgagtgg	caggcccttc	agccagggca	ggctgtccct	gcaggatccc	acgtacggct	360
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<210> 171
 <211> 2003
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1961)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1999)
 <223> n equals a,t,g, or c

<400> 171						
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<210> 172

<211> 786

<212> DNA

<213> Homo sapiens

<400> 172

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agcagattca	aattctcttt	gtaccctatg	tcttttttgt	tttgctatta	gctcagtatt	720
ccgtttctac	actttctctt	cctagaacca	gtcaataaat	gacaaaaaaa	aaaaaaaaaa	780
actcga						786

<210> 173

<211> 1758

<212> DNA

<213> Homo sapiens

<400> 173

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<210> 174

<211> 1369

<212> DNA

<213> Homo sapiens

<400> 174

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<210> 175

<211> 2379

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1881)

<223> n equals a,t,g, or c

<400> 175

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<210> 176

<211> 1348

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (407)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1331)

<223> n equals a,t,g, or c

<400> 175

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<210> 177

<211> 1502

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (446)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (470)

<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1024)
 <223> n equals a,t,g, or c

<400> 177

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gaaactcttc	tatagagaat	ggagttggat	taataatagg	tgatttttta	caactggactg	180
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tcatacaaga	ggattaggct	acaatgcacg	cattaccttt	taaaagaatg	cgatattgat	420
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<210> 178
 <211> 1637
 <212> DNA
 <213> Homo sapiens

<400> 178

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aaaaaaaaaa	aaaaaaa					1637

<210> 179

<211> 2911

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (622)

<223> n equals a,t,g, or c

<400> 179

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<210> 180
 <211> 519
 <212> DNA
 <213> Homo sapiens

<400> 180						
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<210> 181
 <211> 968
 <212> DNA
 <213> Homo sapiens

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 <222> (35)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (45)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (135)
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<400> 181						
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<210> 182

<211> 1128

<212> DNA

<213> Homo sapiens

<400> 182

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<211> 2276

<212> DNA

<213> Homo sapiens

<400> 183

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<210> 184

<211> 3374

<212> DNA

<213> Homo sapiens

<400> 184

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<211> 1337

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1337)

<223> n equals a,t,g, or c

<400> 185

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<210> 186

<211> 941

<212> DNA

<213> Homo sapiens

<400> 186

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<211> 678

<212> DNA

<213> Homo sapiens

<400> 187

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<210> 188
 <211> 1848
 <212> DNA
 <213> Homo sapiens

<400> 188
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<210> 189
 <211> 1292
 <212> DNA
 <213> Homo sapiens

<400> 189
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<210> 190

<211> 906

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (144)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (145)

<223> n equals a,t,g, or c

<400> 190

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actcga						906

<210> 191

<211> 1941

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (561)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1414)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1422)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1427)
 <223> n equals a,t,g, or c

<400> 191

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aatcacggct	gttgacatc	tcgggtatcac	cgttgatgaa	ctcaktgggt	tcacaagtca	540
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accacctcag	aatccagttt	accctgtgct	gtccagcttc	tcctctggga	aaaagtctct	720
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ggtaagactt	taaaaaaaaa	a				1941

<210> 192
 <211> 2118
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1324)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1643)
 <223> n equals a,t,g, or c

<400> 192

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tggatatggg	ggggtagagt	gcttctgggtg	tgcttacttt	aagaaaacat	ctgccaagag	180
agaagagtgc	ccaggaaaaga	ccaggaaaaat	acaagtacat	ggctgcttca	taccatatac	240
cccaattctt	taaagcagca	aaaggcaactt	tttttttcag	gccagagtga	atctaaaaca	300
aacctggctt	tgcttacagg	gaagctgtcc	cagaaggact	gagtgatgcc	tcttggtccc	360
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gaaggaacta	ttattacttt	aaaagtggag	gtaatttaca	tatgggggtg	atatattcta	720
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<210> 193
 <211> 1538
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (112)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (147)

<223> n equals a,t,g, or c

<400> 193

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toggattcct	cccttctccc	tggaaagcaa	taaagatgag	aagacaccac	cctcaggcct	1140
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<210> 194

<211> 1098

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (283)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (438)

<223> n equals a,t,g, or c

<400> 194

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ngccccccgc	ctcccatgtc	tgtctgtcct	ttgtactcag	caattcttng	tttgctccca	360
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tggttcatcc	ttgtccaaat	gcagagtcag	agctatttgt	acttcattat	tatttccaag	1020
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<210> 195

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 195

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gaggttacac	atctgcctcc	aggttcctgt	gtgcttggtg	ccttgggata	aggccagggt	240
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taggcattat	ctcatataat	tgtcattttt	gtggcgagaa	gactaaaaat	ctaccctttc	780
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gcccttcccc	aaccactgct	ccaccctgtg	taaccaccat	tctattctca	acttcctggt	960
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<210> 196

<211> 1458

<212> DNA

<213> Homo sapiens

<400> 196

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tgtggaaggt	ggatcatcaga	tagtagacat	tttctaggat	ttatttctac	ctgcatatgt	180
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cattgatcta	ggagacacta	gcattaccgt	gggcaacacc	accatgcatg	ttatgaaaga	540
tctccttcca	gaaaccacct	accggtgagt	gcaaggaggt	agaaatctgc	atcagcacat	600
cagcacttgg	ggatctaagt	aaacctctcg	gggaaaatga	ccaagtggat	gtcatctccc	660
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<210> 197
 <211> 1282
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (675)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1195)
 <223> n equals a,t,g, or c

<400> 197						
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 <212> DNA
 <213> Homo sapiens

<400> 198						
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<210> 199
 <211> 1740
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 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

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<210> 200

<211> 1707

<212> DNA

<213> Homo sapiens

<400> 200

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 <211> 779
 <212> DNA
 <213> Homo sapiens

<400> 201
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 <211> 1617
 <212> DNA
 <213> Homo sapiens

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<210> 203
 <211> 1974
 <212> DNA
 <213> Homo sapiens

<400> 203
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<210> 204
 <211> 1057
 <212> DNA
 <213> Homo sapiens

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 <222> (31)
 <223> n equals a,t,g, or c

<220>
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 <222> (50)
 <223> n equals a,t,g, or c

<220>
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 <222> (132)
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<220>
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 <222> (751)
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<400> 204

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<210> 205
 <211> 721
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (264)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (340)
 <223> n equals a,t,g, or c

<400> 205

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<210> 206
<211> 2465
<212> DNA
<213> Homo sapiens

<400> 206
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<210> 207
<211> 1480
<212> DNA
<213> Homo sapiens

<400> 207

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<210> 208

<211> 872

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (847)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (856)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (872)

<223> n equals a,t,g, or c

<400> 208

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acaatttggg	aggctgaggc	tgggtgatca	cctgaggcca	ggagtgtgag	accagcttgg	780
ccaacatggt	gaaaccccg	cactactaaa	aatacaaaaa	aaattagcct	gtgtggtggc	840
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<210> 209

<211> 1779

<212> DNA

<213> Homo sapiens

<400> 209

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tgtgataact	gatcttgttt	tatttttttg	cattgcaact	gtggcatagt	tacaatttct	480
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<210> 210

<211> 2110

<212> DNA

<213> Homo sapiens

<220>

<221> SITE
 <222> (750)
 <223> n equals a,t,g, or c

<400> 210

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<210> 211
 <211> 938
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (200)
 <223> n equals a,t,g, or c

<400> 211

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<210> 212

<211> 1551

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (420)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1017)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1408)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1423)

<223> n equals a,t,g, or c

<400> 212

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<210> 213

<211> 997

<212> DNA

<213> Homo sapiens

<400> 213

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tagcccaagc	taagtcagggt	ggaaaggcag	aaatatTTTg	agaagartca	tttctacaaa	180
aacagagtgg	ttctaaatga	aatggccaga	tatttcatct	tcttcatact	agtattttatg	240
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ggaaaccact	aaattccact	tgacaaaacca	gtttgttcag	tttgaacttt	tgcaaatctg	720
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<210> 214

<211> 1496

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (450)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (451)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (454)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1485)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1492)

<223> n equals a,t,g, or c

<400> 214

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<210> 215

<211> 1308

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1241)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1247)

<223> n equals a,t,g, or c

<400> 215

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<210> 216

<211> 1705

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1281)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1704)

<223> n equals a,t,g, or c

<400> 216

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<210> 217

<211> 999

<212> DNA

<213> Homo sapiens

<400> 217

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tcagacagka	gtcccgataa	gcagatcacc	agtcctccac	tgctcttctc	gtcggccttg	180
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<210> 218

<211> 941

<212> DNA

<213> Homo sapiens

<400> 218

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<210> 219
 <211> 575
 <212> DNA
 <213> Homo sapiens

<400> 219						
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<210> 220
 <211> 3018
 <212> DNA
 <213> Homo sapiens

<400> 220						
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<210> 221

<211> 2031

<212> DNA

<213> Homo sapiens

<400> 221

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gctcccttga	ggttctgcta	gtgggtttag	gagtggttac	aactgagctt	ttagtaacca	1980
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<210> 222
 <211> 968
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (241)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (954)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (961)
 <223> n equals a,t,g, or c

<400> 222						
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tctgtggggc	ctttttactg	ctcagagaca	aaagaaagag	gagagcaccg	aagaagtga	180
aatagaagtt	ttgcatcgtc	cagaaaaactg	ctctaagaca	agcaagaagg	gagacctact	240
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cacaaaatga	aggccacccc	aaatgggtttg	ttcttggtgt	tgggcaagtc	ataaaaggcc	360
tagacattgc	tatgacagat	atgtgccctg	gagaaaagcg	aaaagtagtt	atacccoctt	420
catttgcata	cggaaaggaa	ggctatgcag	aaggcaagat	tccaccggat	gctacattga	480
tttttgagat	tgaactttat	gctgtgacca	aaggaccacg	gagcattgag	acattttaa	540
aaatagacat	ggacaatgac	aggcagctct	ctaaagccga	gataaacctc	tacttgcaaa	600
gggaatttga	aaaagatgag	aagccacgtg	acaagtcata	tcaggatgca	gttttagaag	660
atatttttaa	gaagaatgac	catgatgggtg	atggcttcat	ttctcccaag	gaataacaatg	720
tataccaaca	cgatgaacta	tagcatattt	gtatttctac	tttttttttt	tagctattta	780
ctgtacttta	tgtatwaaac	aaagtcmttt	ttctccmagt	tgkatttgct	atttttcccc	840
tatgagaaga	tattttgatc	tccccaatac	attgatcttg	gtataataaa	tgtgaggctg	900
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natatgat						968

<210> 223
 <211> 1404
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1351)

<223> n equals a,t,g, or c

<400> 223

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cgaggttga	cctactgtg	acacacctac	catgcggaca	ctcttcaacc	tcctctggct	120
tgcctggcc	tgcagccctg	ttcacactac	cctgtcaaag	tcagatgcca	aaaaagccgc	180
ctcaaagacg	ctgctggaga	agagtcagtt	ttcagataag	ccggtgcaag	accgggggtt	240
ggtggtgacg	gacctcaaag	ctgagagtgt	ggttcttgag	catcgcagct	actgctcggc	300
aaaggcccg	gacagacact	ttgctgggga	tgtactgggc	tatgtcactc	catggaacag	360
ccatggctac	gatgtcacca	aggctcttgg	gagcaagttc	acacagatct	cacctgtctg	420
gctgcagctg	aagagacgtg	gccgtgagat	gtttgaggtc	acgggcctcc	acgacgtgga	480
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cctgtttgag	gactggactt	acgatgactt	ccggaacgtc	ttagacagtg	aggatgagat	600
agaggagctg	agcaagaccg	tggtccaggt	ggcaaagaac	cagcatttcg	atggcttcgt	660
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catcaccccc	gggaccgacc	agctgggcat	gttcaogcac	aaggagtttg	agcagctggc	840
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gtggcgaagc	aaaatcctcc	tggggctcaa	ctctctatgt	atggactacg	cgacctccaa	1020
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ccggatggtg	tgggacagcc	aggyctcaga	gcacttcttc	gagtacaaga	agagccgcag	1140
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ccgggagctg	ggcgttgggg	tctctatctg	ggagotggcc	agggcctgga	ctacttctac	1260
gacctgctct	aggtgggcat	tgcygcctcc	gcggtggacg	tgttcttttc	taagccatgg	1320
agtgagttag	caggtgtgaa	atacaggcct	ncactccgtt	tgctgtgaaa	aaaaaaaaaa	1380
aaaaaaaaaa	aaaaaaaaaa	aaaa				1404

<210> 224

<211> 707

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (705)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (706)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (707)

<223> n equals a,t,g, or c

<400> 224

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ctcagaaaac	agctctattg	acgaattctg	ccgcaagttc	cgccctggact	gcccgcctggc	120
catggagcgg	atcaaggagg	accggcccat	caccatcaag	gacgacaagg	gcaacctcaa	180

ccgctgcac	gcagacgtgg	tctcgctctt	catcacggtc	atggacaagc	tgcgcctgga	240
gatccgcgcc	atggatgaga	tccagcccca	cctgcgagag	ctgatggaga	ccatgcaccg	300
catgagccac	ctcccacccg	actttgaggg	cgcgccagcg	gtcagccagt	ggctgcagac	360
cctgagcggc	atgtcggcgt	cagatgagct	ggacgactca	cagggtgcgtc	agatgctgtt	420
cgacctggag	tcagcctaca	acgccttcaa	cgccttcctg	catgcctgag	cccggggcac	480
tagcccttgc	acagaagggc	agagtctgag	gcgatggctc	ctgggtccct	gtccgccaca	540
caggccgtgg	tcatccacac	aactcactgt	ctgcagctgc	ctgtctgggtg	tctgtctttg	600
gtgtcagaac	ttttgggccc	ggccccctcc	cacaataaag	atgctctccg	accttcaaaa	660
aaaaaaaaaa	aaaaactcrg	ggggggcccc	gtcccaatcc	ccccnnn		707

<210> 225
 <211> 1384
 <212> DNA
 <213> Homo sapiens

<400> 225						
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atggagaggg	ggttcagoga	gcctagagag	ggcagactat	cagggtgccg	gcggtgagaa	120
tccagggaga	ggagcggaaa	cagaagaggg	gcagaagacc	ggggcacttg	tgggttgag	180
agccccctag	ccatgtttgg	agccaagcca	cactggctac	cagggtccct	acacagctcc	240
gggctgccct	tgtttcttgt	gcttctggcc	ctggggggccg	ggtggggcca	ggaggggtca	300
gagcccgctc	tgttgagggg	ggagtgcctg	gtggtctgtg	agcctggccg	agctgctgca	360
ggggggggccg	ggggagcagc	cctgggagag	gcacccccctg	ggcgagtggc	atttgctgcy	420
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gatcctgacg	tgacccggga	ggcagccacc	agctctgtgc	tactgccctt	ggaccctggg	720
gaccgagtgt	ctctgocct	gcgtcggggg	aactctactg	gtgggttgga	atactcaagt	780
ttctctggct	tctcatctt	cctctcttga	ggacccaagt	ytctcaagca	caagaatcca	840
gccccctgaca	actttcttct	gccctctctt	gccccagaaa	cagcagaggc	aggagagaga	900
ctccctcttg	ytcttatccc	acytctttgc	atgggamcct	gtgccaaaca	cccaagttta	960
agaraary	ararctgwg	caggtatata	gagctggaag	tggaccatgg	aaaacatsga	1020
taaccatgca	tcytcttgt	tggccacctc	ctgaaactgt	ccaccccttg	agtttgaaact	1080
ttagtccctc	camactctga	ctgctgcctc	cttctctcca	gctctctcac	tgagtatatyt	1140
tactgtacc	tgttcagca	tatccccact	atctctctct	ctcctgatct	gtgctgtctt	1200
attctctctc	ttaggcttcc	tattacctgg	gattccatga	ttcattcctt	cagaccctct	1260
cctgccagta	tgtataaacc	tccctctctc	ttctcttatcc	cgtctgtcca	ttggcccgagc	1320
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tcga						1384

<210> 226
 <211> 774
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (773)
 <223> n equals a,t,g, or c

<400> 226						
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aggggtctra	gaaagaaatc	tagggctctg	catcttaacc	ataggcattc	tccgggaccgt	120
ccttatccca	tttaattaat	ttctctgaca	attcaattat	tttctgttat	taatgttgcc	180
actgctttct	gtttgtctgc	acttccctga	taaataattg	ctatcgtttt	actccagtca	240

ttcgatgttg	ctgagattta	catatgactc	ttgtcaacat	ctcaactttt	gacccaatct	300
tattcattta	ataagaggtc	tcatttcattt	gcattggaaa	atgctcattg	tatattgcaa	360
agtgaataa	acgagttgca	aaacagtgtg	tacatatatg	tgtgtatata	tgtacacttt	420
atttgtacac	ttctatgtga	cataatgcaa	aggaaagtgt	ctgattttat	tatacaccaa	480
aggttaacag	tgaatctctg	tgtgatctct	ttttttttct	ttttgcctat	ctgcatcttc	540
tcacttgcca	aaaaatgaat	atatgtttat	gtgtgtatat	tacttgtgtc	acaaaaaacc	600
ctaaagtaga	cagtaaaaga	acttgtcaat	cgccttttga	aggcaatgaa	acacttaata	660
aactctcaat	aacagaagcg	taaaaatgaa	atgtaaaacct	ccaattacct	ctggatctct	720
tagccagagt	aataaactgg	taattattac	agataaaaaa	aaaaaaaaaa	aana	774

<210> 227

<211> 865

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (344)

<223> n equals a,t,g, or c

<400> 227

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ggtaacagga	ccggtggggg	ccccaggaag	tcctagaggg	ggtcgggggt	tgggtggaca	120
agctttctct	gtcctctccc	gacagagctg	acgtgtcctg	ggttccaccg	ggagcgggca	180
tttccaccgg	acgggagggt	tcgggggtgtc	cggggctggg	gaatacgtag	gggttgccgc	240
gcggtgtggg	gagttggggc	gtgtggctgc	agtcccggga	gttcttgagg	ggggtcggcc	300
caccgagctt	ccggaccggc	tgatctgccc	gtagcttgcc	gganggargg	cggagctgac	360
tctccgtccc	ttctcccatc	ccctccagtg	gtgggtacgg	gcacctcgct	ggcgctctcc	420
tccctcctgt	ccctgctgct	cttctgctgg	atgcagatgt	acagccgtca	gctggcctcc	480
accgagtggc	tcaccatcca	gggcggcctg	cttggttcgg	gtctcttcgt	gttctcgctc	540
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cctgagattc	tcctgtgccc	cctggttggt	ctctttgcac	ctggcctcat	ccaccgagtc	660
tgtgtcacca	cctgcttcat	cttctccatg	gttggtctgt	actacatcaa	caagatctcc	720
tccaccctgt	accaggcagc	agctccagtc	ctcacaccag	ccaaggtcac	aggcaagagc	780
aagaagagaa	actgaccctg	aatgttcaat	aaagttgatt	ctttgtaaaa	aaaaaaaaaa	840
aaaaaaaaaa	aaaaaaaaaa	aaaaa				865

<210> 228

<211> 1102

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (462)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (469)

<223> n equals a,t,g, or c

<400> 228

tttttttttt	accattttaa	ataaaatgaa	agtgaccttc	tgtttataaa	aatctttgtc	60
tgcattctct	cttatttccc	tagaagagat	tccaagaagc	ggtgagtgat	ttcacggcag	120
cagaggggtg	ggacatatta	cgggcgcgga	tccctcttgg	agtgagatga	ctctccggag	180

agatttagtc	gtcaccctcg	cgtgtgaggc	tgcgtcacac	cccagggatg	tgtctatcaa	240
gatggaagat	cttttacacg	ctcttgattt	tgtttgscty	tttttctatc	actagtgaga	300
akgaaacttt	ttatatgatt	attatccatc	ataatccaac	acaaattact	gcttcatggt	360
cttttacttt	cctgtgaagg	tttttagtgcc	ttttaaaaat	tgctatatat	taagcttggt	420
aatacttcca	tgtgttattt	gtggscatca	rtttccccgg	gnacaggcnt	gcacattttg	480
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ctctctactt	tctacagtga	attctctgat	gtgtctggga	gtttgggggt	ctgggtaaga	660
rtctctctct	cacctatttc	tctattacga	tccacagcct	catgctttat	garattgggtg	720
gccgggarcg	ggggagattt	gcggtatccc	caagccagac	tttatcccc	tatccctgcc	780
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tgcaggtggg	agatgaagct	caggggtggag	accagtatct	cacagttctc	tttgcattggc	1020
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gaacaaaatt	aaaccagcca	gg				1102

<210> 229

<211> 744

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (303)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (392)

<223> n equals a,t,g, or c

<400> 229

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ccccttccct	gaagggaggg	cagcacccca	ggagggcagc	aggtgtgctg	tgaggggtgg	180
agtagtgtga	gaggtcaggg	tacactagaa	tggccatgga	caccatgtgg	gggtgctctg	240
ggctggggcca	cagaacagtg	tccttcctgc	tgctcctccc	ctgcagcttc	ccccgacctt	300
gtngttttatt	tggtttgata	ccaatcagca	gacctgcaa	ggtgggaagct	cccaggtctt	360
cagtcccacs	actctcatgt	gccagtcacc	cntactgtaa	ctgcccgaatg	agtacttctt	420
gcccaactgcc	aagatagagc	cagtttacca	agacagggga	attgcagtag	agaaagagtt	480
gaatatacat	agagccagct	aaatgggaga	gtggagtgtt	cttattactt	aaatcagcct	540
cccytaaaat	tcagaggtga	gaatttttca	aggacagttt	ggtggscagg	cctaggggaat	600
ggatgctgct	gattggctag	ggatgcaatc	ataggggtgt	agaaaagtwc	cttgtagcact	660
gagtccactt	ttggtgagag	ctaccaagga	gctgctgggtc	tgctggtccc	ggtagagcca	720
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<210> 230

<211> 1935

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1921)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1927)
 <223> n equals a,t,g, or c

<400> 230

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cgagaagcac	catggccatc	tgcaaatca	gaaatcagga	caataagtgc	ttataaaacc	180
ccccgggaca	aagtgcagt	catcctgaga	atgtgctcta	cgattatgaa	cctcctgagc	240
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ttcattaaaa	ccatcgatga	ccgaaagtga	ccaagaccaa	ggcccaccaa	ggcagcagac	480
tggttaatcag	acaaacagat	ctctgagaag	gtgcatcagc	tgctttgaag	gctgaagatt	540
gtttttgtatg	atactgcaca	gcacaggca	ttttaagca	gatctttact	aaacaggtta	600
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<210> 231
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 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1032)
 <223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (1034)
 <223> n equals a,t,g, or c

<400> 231

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 <211> 760
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 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (741)
 <223> n equals a,t,g, or c

<400> 232

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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa			760

<210> 233
 <211> 2057

<212> DNA

<213> Homo sapiens

<400> 233

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cggcacgagc ggcacga 2057

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<210> 234

<211> 2084

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (775)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2080)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2083)

<223> n equals a,t,g, or c

<400> 234

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<210> 235

<211> 2143

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2058)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2080)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2115)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2132)

<223> n equals a,t,g, or c

<400> 235

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<210> 236

<211> 1133

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (528)

<223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (552)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1133)
 <223> n equals a,t,g, or c

<400> 236

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<210> 237
 <211> 1025
 <212> DNA
 <213> Homo sapiens

<400> 237

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tgaagcccgc	tacccactct	gaggctccta	ggaggtacca	tgcttcccac	tctggggcct	840
gcccctgctt	agcagtctcc	cagctcccaa	cagcctgggg	aagctctgca	cagagtgacc	900
tgagaccagg	tacaggaaac	ctgtagctca	atcagtgtct	ctttaactgc	ataagcaata	960
agatcttaat	aaagctctct	aggctgtagg	gtggttccca	caaccacagc	caaaaaaaaa	1020
aaaaa						1025

<210> 238

<211> 1400
 <212> DNA
 <213> Homo sapiens

<400> 238

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ggaaggcata	gggtgagaga	atgggaagat	gragtggagg	cgggttggtta	aagtgcctgc	180
agtgaagtga	tttgtctact	tgaataatgg	tccatgtttg	ggggcatatc	gtgtttcata	240
agaagtgaaa	ggtatattgca	aagtaagcta	caaatagacc	ataaatctgt	taacaacagt	300
ccttaatatg	caaagatgaa	aaacaagcat	tactgtctacc	caaaggggaa	tgggtgcttg	360
tgatgtgcag	atggggctgt	tgggttaagag	agctattaca	ggttttctct	cttaggtttc	420
ataggaggta	gttactgaga	tgagattggt	ttatcttttt	gaatacagat	ctcttgctct	480
gagttagttc	tgaggatggg	agtaataaag	gagttttttg	tttttttggt	tgtttgtttg	540
ttttggctcc	ttagtaatac	tcctctgaca	tttattttcta	ttattcttca	aagaaaggaa	600
accaactgaa	atgtttgctt	taacaaacat	cttaataaagt	tctctgggtt	ttttttttccc	660
cttttaaaaa	aattagcata	taccatagca	ataaaaagaac	taatgttaac	tattgtatgc	720
tacaacttaa	gtgatttttt	taaagaagca	caatgtcatt	graagtatta	ttgaaaagga	780
tcatagtcac	attgaatttg	tgaaggccaa	agaaattgaa	gggagtgata	ttttcatttt	840
atgatattca	catatttagt	aaattttgtg	tacaagaata	ccaggcagag	tgtttttacc	900
atggaaacag	gttttcagatt	actttgtttt	tactgttaga	gtctcaagtt	tagaaatgct	960
aacacttaaa	tcagtttttt	tctcactata	cttgaagatt	gttaatatatt	tgatattctc	1020
ctagcttgat	ggaattttaa	catatcttca	gactgtgac	agtgcagacc	aataaggactg	1080
ataatattag	cttcaaacca	ataatatcca	gggttaaaat	aaaaatcata	gtgaaagtac	1140
gattgtaaaa	ttatgctata	ttaaacttta	agtctgtaat	aacttgacat	caaaatgtta	1200
tgtaattacc	ataaataatg	gctagcgaga	acatcttttg	aaattctcaa	attacctttc	1260
ttactacact	gtttgcagaa	tgaatgtaga	aatgatcctg	ttagctttct	gaatgttctg	1320
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aaaaaaaaaa	aaaaactcga					1400

<210> 239
 <211> 1250
 <212> DNA
 <213> Homo sapiens

<400> 239

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atsttcgccc	tcgctcgggt	cctccactac	cgagaggggc	ttggctggga	tgggagcgca	180
ctagagttta	actggcaccc	agtgcatsatg	gtcaccggct	tcgctctcat	ccagggcatc	240
gcatcatcgt	ctacagactg	ccgtggacct	ggaaatgcag	caagctcctg	atgaaatcca	300
tccatgcagg	gttaaatgca	gttgctgcca	ttcttgcaat	tatctctgtg	gtggccgtgt	360
ttgagaacca	caatgttaac	aatatagcca	atatgtacag	tctgcacagc	tgggttgagc	420
tgatagctgt	catatgctat	ttgttacagc	ttctttcagg	tttttcagtc	ttctcgtctc	480
catgggctcc	gctttctctc	cgagcatttc	tcatgcccat	acatgtttat	tctggaattg	540
tcattctttg	aacagtgatt	gcaacagcac	ttatgggact	gacagagaaa	ctgatttttc	600
ccctgagaga	tcctgcatac	agtacattcc	cgccagaagg	tgttttcgta	aatacgcttg	660
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aacgtcctaa	ggagccaaat	tctaccattc	ttcatccaaa	tggaggcact	gaacagggag	780
caagagggtc	catgccagcc	tactctggca	acaacatgga	caaatacagat	tcagagttaa	840
acartgaagt	agcagcaagg	aaaagaaact	tagctctgga	tgaggctggg	cagagatcta	900
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gttttgcttc	tcctatttag	catatgataa	ttgggctatg	tagtatcaat	atttacttta	1020
atcacaaagg	atggtttctt	gaaataattt	gtattgattg	aggcctatga	actgacctga	1080
attggaaagg	atgtgattaa	tataaataat	agcagatata	aattgtgggt	atgttacctt	1140
tatcttcttg	aggaccacaa	cattagcacg	gtgcctctgt	cakaatagat	actcaatatg	1200
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<210> 240
 <211> 1307
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (651)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1064)
 <223> n equals a,t,g, or c

<400> 240

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artaaactgt	ttttctgtct	tacgtcatgc	tgactgggtg	ctaggggctg	attacaaagg	180
ggaagagttg	aacagacatc	aggggcccgt	gaaaccaaag	gactaggagt	caggagaaca	240
agtcagggat	taggagacag	cggtttggtt	tattgtttatc	cagctggagg	actcctaggg	300
gcagcagcag	gaggaatacc	agggccacgg	aggggcagga	gtctcacagt	ggagggcaga	360
ctctaacaga	tgccagctga	acgctcgtcg	gccctgggatg	tcatacagat	tggggaccag	420
aaatctgggc	tcagagaacc	cgtccaggga	gatttgaagc	catgggttat	cttctagagt	480
tgatactgat	aatatatttt	aatttttatt	gatgtttaat	accttctgaa	acaggagggt	540
aagatcagat	gggaagcccy	tctgttgaag	gatcttggga	accttgggtg	tttttttttt	600
ttggtttttt	tttttttgat	cgagctgttg	acatccttct	taattcgatt	ntgaggattt	660
gtttaactaa	aaagtcccca	aacacagaaa	gggcctcccc	acctgctttg	gggagctgtc	720
gtgctgggga	gtgccaggca	tccsatggga	cccatcactg	ccagtgtctg	tgccctccag	780
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ttgtctcacc	ctgatagcct	gggtgttgat	attcacttta	cccgcaactca	gacacaggcg	960
accttgaagc	agttctcggt	gtgtagagtc	cacgtgacag	tccccacagc	ctccccagat	1020
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cagctgatct	ctctctctgt	gcactcgtga	tccatgttga	acaatacatg	taggttcttt	1140
ttccacgcaa	tgtaagaaca	tgatatactg	tacgttggaa	agcatttacc	ttatttatat	1200
acctgaatgt	tcctactaca	caaataaaca	tatattaaat	wctaaaaaaa	aaaaaaaaaa	1260
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<210> 241
 <211> 888
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (830)
 <223> n equals a,t,g, or c

<400> 241

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ccccagggac	agtctcaaat	gcaaattccac	agagtgasmc	accacctcgg	gtagaatttg	180
atgacaacaa	tcccttttagt	gaaagtcttc	aagaacggga	acgtaaggaa	cgtttacgag	240
aacagcaaga	gagacaacgg	atccaactca	tgacaggagt	agatagacaa	agagctttgc	300

agcagaggat	ggaaatggag	cagcatggta	tgggtgggctc	tgagataagt	agtagtagga	360
catctgtgtc	ccagattccc	ttctacagtt	ccgacttacc	ttgtgatttt	atgcaacctc	420
taggacctct	tcagcagctt	ccacaacacc	aacagcaaatt	ggggcagggtt	ttacagcagc	480
agaatataca	acaaggatca	attaattcac	cctccaccca	aactttcatg	cagactaatg	540
agcgaggcag	gtaggccctc	cttcatttgt	tcctgattca	ccatcaatcc	ctgttgggaag	600
cccaaatttt	tcttctgtga	agcagggaca	tggaaatctt	tctgggacca	gcttccagca	660
gtccccagtg	aggccttctt	ttacacctgc	tttaccagca	gcacctccag	tagctaatag	720
cagtctccca	tgtggccaag	attctactat	aacccatgga	cacagttatc	cgggatcaac	780
ccaatcgctc	attcagttgt	attctgarat	aatcccagag	gaaaaagggn	aaaaaaaara	840
amaaraaara	araaaggaga	tgatgatgca	gaattccacc	aaggctcc		888

<210> 242

<211> 1811

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1810)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1811)

<223> n equals a,t,g, or c

<400> 242

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ccastgtcat	tatcacaaca	gtgtctgtcc	tgggtcttga	cttcaggccc	tccttggaaat	180
ttttcttggga	agccscatca	gtctstctct	ctatatttat	ttataatgcc	agcaagcctc	240
aagttccgga	atacgcacct	aggcaagaaa	ggatccgaga	tctaagtggc	aatctttggg	300
agcgttccag	tggggatgga	gaagaactag	aaagacttac	caaaccocaag	agtgatgagt	360
cagatgaaga	tactttctaa	ctgggtaccca	catagtttgc	agctctcttg	aaccttattt	420
tcacattttc	agtgtttgta	atattttatc	tttcactttg	ataaaccaga	aatgtttcta	480
aatcctaata	ttctttgcat	atatctagct	actccctaata	tgggttccatc	caaggcttag	540
agtacccaaa	ggctaagaaa	ttctaaagaa	ctgatacagg	agtaacaata	tgaagaattc	600
attaatatct	cagtacttga	taaatcagaa	agttatatgt	gcagattatt	ttccttggcc	660
ttcaagcttc	caaaaaactt	gtaataatca	tgttagctat	agcrtgtata	tacacataga	720
gatcaatttg	ccaaatatc	acaatcatgt	agttctagtt	tacatgccaa	agtcctccct	780
ttttaacatt	ataaaaagcta	ggttgtctct	tgaattttga	ggccctagag	atagtcattt	840
tgcaagtaaa	gagcaacggg	acoccttcta	aaaacgttgg	ttgaagggacc	taaatacctg	900

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gccataccat agatttggga tgaatgtagtc tgtgctaaat attttgctga agaagcagtc 960
tctcagacac aacatctcag aatttttaatt tttagaaatt catgggaaat tggatttttg 1020
taataatctt ttgatgtttt aaacattggg tccctagtc ccatagttac cacttgcatt 1080
ttaagtcatt taaacaagcc acggtggggc tttttctctc tcagtttgag gagaaaaatc 1140
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taagtttcat gcagatgaat ataaggtaat atactattat ataattcatt tgtgatatcc 1740
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aaaaaaaaan n 1811

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<210> 243
<211> 2271
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (553)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (2267)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (2269)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (2271)
<223> n equals a,t,g, or c

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<400> 243
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atccaagccc ttgtgggggt ggccgcccgc ctggtcttgg cgctcctgct tgtgtccgcc 180
gctctatcca gtgttggtatc acggactgat tcaccgagcc caaccgtact caactcacat 240
atttctaccc caaatgtgaa tgctttaaca catgaaaacc aaaccaaacc ttctatttcc 300
caaatcagca ccacctccc tcccacgacg agtaccaaga aaagtggagg agcatctgtg 360
gtccctcatc cctcgccctac tctctgtct caagagggaag ctgataacaa tgaagatcct 420
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gacgagtctg atngacacct tggaagaaaa caggggttac atggaaattg aacagtcagt 600
gaaatctttt aagatgccat cctcaaatat agaaggaggaa gacagccatt tcttttttca 660
tcttattatt tttgtttttt gcattgctgt tgtttacatt acatatcaca acaaaaggaa 720
gatttttctt ctggttcaaa gcaggaaatg gcgtgatggc ctttcttcca aaacagtgga 780
ataccatcgc ctagatcaga atgttaatga ggcaatgcct tcttgaaga ttaccaatga 840

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tctctttttgc cttgggtgctt tggaaattaa atgtcacaaa cgagtatata attttttatc 1020
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tcacattcat tctccgccat tcaaatacta ttttttatcc acattttttt ttgttcccaa 1260
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tgctcaatct gaccacaatt ttaggtaaaa cattaaatgt gtcaagaaat cttggcaaca 1440
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tgcttttagt tagcaattga ttgtagcatg gggtctctcca aggtttcaag caatgggcag 1620
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cacacttggt ttctttgttt ttgtttttta tggcaactgg aaagtattta ctatgggatt 1860
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanana n 2271

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<210> 244

<211> 2500

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2459)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2473)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2475)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2478)

<223> n equals a,t,g, or c

<400> 244

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acgatgacag tgggaacacc ttctctact tctcaccctc cttcgtgggg ctcatcgtga 180
tcccggcgac atactacctc tggccccgag atcagaatgc cgagcaaatt cgattaaaga 240
atatcagaaa agtatatgga aggtgtatgt ggtacgttta cggttatata aaccccagcc 300
aaatattatt cctacagtaa agaaaatagt tctgcttcga ggatgggcac tgttcttact 360

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ccttgcatat	aaagtttcca	aaacagaccg	agaataccaa	gaatacaatc	cttatgaagt	420
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ttatgctgct	ttaacggatg	aagagtccccg	gaaaaatttg	gaagaatttg	gaaatccaga	600
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aacggataat	attctaatac	cacagctaata	cagagaaatt	ggcagcatta	atttaaagaa	960
gaatgagcct	ccacttacct	gcccatatag	cctgaaggcc	agagttcttt	tactgtctca	1020
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gtgtcttgcc	ctacttcaag	aaatggttaa	tgtaatctgc	caactaatag	taatggccccg	1140
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agaatggttg	tggctttaca	ttgcagatag	gaaggagcag	acattaatac	ccatgccata	2100
tcattgtgtg	acgctgaaag	atacagagga	ggtagagctg	aagtttctctg	caccaggcaa	2160
gcttggaat	tatcagtata	ctgtgtttct	gagatcagac	tcctatatgg	gtttggatca	2220
gattaaacca	ttggaagttk	ggaagtccat	gaggctgaag	cctgtgccag	aaaatcacc	2280
acagtgggat	acagcaatag	agggggatga	agaccaggag	gacagtgagg	gctttgaaga	2340
tagcttttag	ggaggaagag	ggagggagga	aggaaggtgg	tggaacttaag	gcagttactc	2400
tggaatggga	cccacagtgt	tttgaccat	attttgcaa	ttttttttgc	ccgtttttng	2460
gaagtgtttt	ccntnaancc	caggaacct	tacagaaccg			2500

<210> 245
 <211> 1338
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (133)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (867)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1338)
 <223> n equals a,t,g, or c

<400> 245

cttcggttc	tccgggcagc	tgccactgct	gtagcttctg	ccacctgcc	cgaccgggcc	60
tctccctggc	gtttgggtcac	ctctgcttca	ttctccaccg	cgccataggt	ccctcttgga	120
gccagcgtgg	cgngcctggc	gggtcccggg	tggtagagaga	gcgggtccggg	aacgatgaag	180
gcctcgcagt	gctgctgctg	tctcagccac	ctcttggtctt	ccgtcctcct	cctgctgttg	240
ctgcctgaac	taagcgggyc	cctggmagtc	ctgctgcagg	cagccgaggg	cgcgccaggt	300
yttgggcttc	ctgaccctag	accaggacat	taccgcccgt	gccaccgggc	cctwaccctt	360
gcccagcagc	cgggccgtgg	tctgggtgaa	gctgcggggg	ccgcgggggt	ccgagggagg	420
caatggcagc	aaccctgtgg	ccgggcttga	gacggacgat	cacggaggga	aggccgggga	480
argctcggtg	ggtggcggcc	ttgctgtgag	ccccaacctt	ggcgacaagc	ccatgaccca	540
gcgggcccctg	accgtgttga	tgggtgtgag	cgggcggggtg	ctgggtgtact	tcgtgggtcag	600
gacggtcagg	atgagaagaa	gaaaccgaaa	gactaggaga	tatggagttt	tggacactaa	660
catagaaaat	atggaattga	cacctttaga	acaggatgat	gaggatgatg	acaacacgtt	720
gtttgatgcc	aatcatcctc	gaagataaga	atgtgccttt	tgatgaaaga	actttatctt	780
tctacaatga	agagtggaa	ttctatgttt	aaggaataag	aagccactat	atcaatgttg	840
gggggggtatt	taagttacat	atattttnaac	aacctttaat	ttgctgttgc	aataaatacc	900
gtarccctttt	attatatctt	tatatgtata	gaagtactct	gttaatgggc	tcagagatgt	960
tggggataaaa	gtatactgta	ataatttata	tgtttgaaaa	ttactataaa	acggtgtttt	1020
ctgrtcgggt	tttgtttcct	gcttaaccata	tgattgtaaa	ttgttttatg	tattaatcag	1080
ttaatgctaa	ttatttttgc	tgatgtcata	tgttaaagag	ctataaattc	caacaaccaa	1140
ctggtgtgta	aaaataattt	aaaatytcct	ttactgaaag	gtattttcca	tttttgtggg	1200
gaaaaagaagc	caaattttatt	acttttgtgt	gggggttttta	aaatattaag	aaatgtctaa	1260
gttattgttt	gcaaaacaat	aaatatgatt	ttaaattctc	ttaaaaaaaa	aaaaaaaaac	1320
ccccggggggg	ggccccggn					1338

<210> 246

<211> 654

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (651)

<223> n equals a,t,g, or c

<400> 246

gaattcggca	cgaggcagct	tgtgctttaa	aggaggtgtt	caaagcatgt	ctgagcagag	60
acttttgggc	tctgttttaa	ttataacttt	aaaataattc	atatttaaaa	tatcaratgt	120
ttccataaag	aggaggatgt	ttaaatgcct	ccagactaca	ttccttttta	ttsccttgatt	180
ttacctggga	gtccaaagtt	caattcccat	aaagcaagcg	ttttatttgt	cactttcaat	240
atacatccga	ttgccatgct	taagatgcaa	tatgggctgc	ggaaataggt	taaccacag	300
gctcccaggg	cccagtgtag	aagggtgagag	attcgtgtaa	aatgattcaa	ataaaaggaa	360
gaccctggcc	gggtgccgta	rtccacgcct	gtaatccag	cactttggga	ggccgaagcg	420
agtggatgac	gaggttagga	gttgagagcc	agcctggcca	acatcgtgaa	accccgctctc	480
tactaaaaat	acaaaaatta	gccgggcatg	gtggcaggca	cctgtaatcc	tagctagtgtg	540
ggaggctgag	gcaggagaat	cgtttgaatc	tgggagttgg	aggttgctcag	tgagctgaga	600
tcgcgccaca	gcactccagc	ctgggtgaca	gggtgagact	ctgtctcaaa	naga	654

<210> 247

<211> 1146

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (37)

<223> n equals a,t,g, or c

<400> 247

aaaaaaaaacc	caggggaacn	ttggggggcgc	ctttnnnnttc	cccctccagg	ccattggggga	60
attcttcaag	ttaatcctgc	tttgetotttg	gccaacaggg	cttgtagggg	ggagagaccc	120
aggatcatca	aggggttcga	gtgcaagcct	cactcccagc	cctggcaggc	agccctgttc	180
gagaagacgc	ggctactctg	tggggcgacg	ctcatcgccc	ccagatggct	cctgacagca	240
gcccactgcc	tcaagccccg	ctacatagtt	cacctggggc	agcacaacct	ccagaaggag	300
gagggctgtg	agcagaccgc	gacagccact	gagtccttcc	cccaccccg	cttcaacaac	360
agcctcccca	acaaagacca	ccgcaatgac	atcatgctgg	tgaagatggc	atcgccagtc	420
tccatcacct	gggctgtgcg	acccctcacc	ctctcctcac	gctgtgtcac	tgctggcacc	480
agctgyctca	tttccggctg	gggcagmacg	tccagcccc	agttacgcct	gcctcacacc	540
ttgsgatgcy	ccaacatcac	catcattgag	caccagaagt	gtgagaacgc	ctaccccggc	600
aacatcacag	acaccatggt	gtgtgcccagc	gtgcaggaag	ggggcaagga	ctcctgccag	660
ggtgactccg	ggggccctct	ggtctgtaac	cagtctcttc	aaggcattat	ctcctggggc	720
caggatccgt	gtgcgatcac	ccgaaagcct	ggtgtctaca	cgaaagtctg	caaatatgtg	780
gactggatcc	aggagacgat	gaagaacaat	tagactggac	ccacccacca	cagcccatca	840
ccctccattt	ccacttgggtg	tttgggtcct	gttcactctg	ttaataagaa	accctaagcc	900
aagaccctct	acgaacattc	tttggggcctc	ctggactaca	ggagatgctg	tcacttaata	960
atcaacctgg	ggttcgaaat	cagtgagacc	tggattcaaa	ttctgccttg	aaatattgtg	1020
actctgggaa	tgacaacacc	tggtttgttc	tctgttgtat	ccccagcccc	aaagacagct	1080
cctggccata	tatcaagggtt	tcaataaata	tttgctaaat	gaaaaaaraaa	aaaaaaaaaaa	1140
actcga						1146

<210> 248

<211> 1443

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (776)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (907)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1288)

<223> n equals a,t,g, or c

<400> 248

ataaactgaa	ataggtcatg	caaataataa	atattatttt	taaattattt	gtcataagaa	60
acgatgggtg	ccatattttg	ctttaataat	ggaaaaaatg	tggttagcat	tctktggaag	120
gtgggtcatca	gatagtagac	attttctagg	atttatttct	acctgcatat	gtggaaatgt	180
gtactacttt	agatttatwt	aatggcagct	aactcagagg	catcaaaatg	tgctaattggt	240
gtaatatggc	ctttgtcttg	ctgtyctgtt	ttgtargcct	tcaatcaagc	argggcaggg	300
ccgtacagtg	aacttgtcct	ttgscagacg	ccagcgtctg	ccoctgaccc	cgtctccact	360
ctctgtgtcc	tggaggagga	gccccttgat	gcytacccctg	attcaccttc	tgcgtgcctt	420
gtactgaact	gggaagagcc	gtgcaataac	ggatctgaaa	tccttgctta	caccattgat	480
ctaggagaca	ctagcattac	cgtgggcaac	accaccatgc	atggtatgaa	agatctcctt	540
ccagaaacca	cctaccggtg	agtgcagggt	agtagaaatc	tgcatacagc	catcagcact	600
tggggatcta	agtaaaccctc	tcggggaaaa	tgaccaagtg	gatgtcatct	cccagctggt	660
tctaagagcc	cagatgtcca	gagtattgtc	tcaccttgat	ccctcaggcc	agaagacctg	720
tgaaaaagcc	acactgggtc	agggactcac	tggacgggtt	tgtgtccact	ytacntgca	780
ccgtctctac	cccagagtgg	actcaratcc	tcaagtcac	ctctgaacat	tgrrgtcaga	840
aattataaaa	gggctttggc	aatatgttag	cccaagaatt	tggcttcttc	cagaaattgt	900
gccgacntta	acagtggctt	aaatgatggt	aaaactttta	agatttctaa	aaggrrtgga	960
ttggagatac	gttgactttt	attaaacmac	ctatagttgt	ttaatgaytt	ctaaaaaaat	1020
atctggagct	caggggttca	actgagggaa	cacatgttga	gratcatgtt	ttactaatta	1080
aatgccaggt	aaccggttga	aattatcaaa	aacatcttcc	acgtaccaga	aagcacctca	1140
gaggatagtt	ctgttatgga	gaagatgaaa	tggtttagta	gtgttaggaac	tatggaaagg	1200
tgagcttaga	tttgatagtt	aaaacctcaa	gacctatatt	aaaaagtatt	ttatgaatgc	1260
agcataaata	atttaattca	gtgttaanat	gccaaggcta	gtatattgag	ctgaatgtga	1320
aaagaaactc	acattgggag	aatgccacct	tttctttata	agatagcttt	gaagataacca	1380
ttttagacag	atggaaattg	aatagcttta	gaaaaggcaa	atgttttgatc	ttggggaaaa	1440
aaa						1443

<210> 249

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 249

Met	Leu	Ser	Thr	Gly	Ile	Glu	Val	Ala	Arg	Pro	Pro	Ala	Thr	Leu	Leu
1					5					10				15	

Gly	Leu	Met	Phe	Val	Leu	Thr	Gly	Met	Pro	Arg	Gly	Leu	Arg	Xaa
				20				25					30	

<210> 250

<211> 116

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (78)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (116)
 <223> Xaa equals stop translation

<400> 250
 Met Asn Val Val Ile Val Ile Ile Leu Phe Ser Phe Asp Ser Val Gly
 1 5 10 15
 Thr Met Phe Ser Cys Asn Arg Ile Pro Lys Ile Thr Val Leu Asn Lys
 20 25 30
 Leu Lys Phe Xaa Cys Glu Val Leu Leu Arg Ile Gln Thr Ile Gln Gly
 35 40 45
 Phe Tyr Arg Cys Thr Arg Ile Ser Arg Tyr Lys Gly Ile Phe Pro Asp
 50 55 60
 Phe Cys Gln Ser Gln Cys Met Gly Cys Asn Pro Glu Ser Xaa Met Ala
 65 70 75 80
 Val Pro Ala Leu Val Thr Pro Ile Leu Ala His Arg Lys Lys Glu Lys
 85 90 95
 Gly Met Cys Leu Phe Thr Leu Ile Ile Ala Pro Thr Arg Cys Thr His
 100 105 110
 Tyr Phe Cys Xaa
 115

<210> 251
 <211> 103
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals stop translation

<400> 251
 Met Ser Ser Ala Lys Ile Val Arg Gln Arg Gly Ala Val Pro Thr Tyr
 1 5 10 15
 Tyr Thr Thr Glu Ala Gly Glu Ile Ile Phe Leu Val Leu Asn Trp Ser
 20 25 30
 Leu Ser Ile Leu His Ile Val Asp Val Leu Cys Ser Lys Pro Glu Lys
 35 40 45
 Ser Val Thr Glu Asp Ala Ala Ser Gly Leu Ser Gln Arg Met Thr Ala
 50 55 60

Leu Val Trp Arg Lys Gly Pro Asp Gly Gly Ser Arg Lys Pro Ile Leu
 65 70 75 80

Leu Leu Phe Phe Phe Leu Pro Leu Ile Leu Cys Phe His Ser Phe Ile
 85 90 95

His Ser Ser Asn Ile Cys Xaa
 100

<210> 252
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 252
 Met Ile Leu Phe Pro Gln Xaa Ala Leu Arg Leu Gly Xaa Trp Pro Arg
 1 5 10 15

Thr Trp Ser Ile Leu Xaa Lys Tyr Ser Val Asn Phe Phe Ser Ala Tyr
 20 25 30

Ser Pro Met Gly Ala Val Gly Thr Glu Phe
 35 40

<210> 253
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 253

Met Ile Ile Leu Leu Leu Phe Met Leu Leu Asn Asn Val Val Leu Val
 1 5 10 15

Gln Glu Asp Asn Cys Gln Arg Lys Asn Thr Val Gln Glu Arg Arg Xaa
 20 25 30

Trp Ser Gln Trp Xaa
 35

<210> 254

<211> 128

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (128)

<223> Xaa equals stop translation

<400> 254

Met Ala Ala Xaa Pro Pro Gly Cys Thr Pro Pro Xaa Leu Leu Asp Ile
 1 5 10 15

Ser Trp Leu Thr Glu Ser Leu Gly Ala Gly Gln Pro Val Pro Val Glu
 20 25 30

Cys Arg His Arg Leu Glu Val Ala Gly Pro Arg Lys Gly Pro Leu Ser
 35 40 45

Pro Ala Trp Met Pro Ala Tyr Ala Cys Gln Arg Pro Thr Pro Leu Thr
 50 55 60

His His Asn Thr Gly Leu Ser Glu Leu Leu Glu His Gly Val Cys Glu
 65 70 75 80

Glu Val Glu Arg Val Arg Arg Ser Glu Arg Tyr Gln Thr Met Lys Val
 85 90 95

Arg Arg Ala Gly Leu Gly Pro Thr Pro Gly Met Ser Cys Pro Gly Asn
 100 105 110

Asp Asn Thr Val His Thr Met His Gly Glu Ala Asn Arg Gly Ser Xaa
 115 120 125

<210> 255
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (67)
 <223> Xaa equals stop translation

<400> 255
 Met Ser Ile Leu Cys Cys Pro Xaa Leu Cys Leu Phe Phe Ser Phe Cys
 1 5 10 15
 Ile Ser Ser Gly Ser Cys Pro Phe Ser His Val Ser Gln Leu Ser Phe
 20 25 30
 Ile Ala Thr Phe Ser Gln Ser Ser Pro Val Leu Leu Val Pro Ala Tyr
 35 40 45
 Asn Thr Tyr Leu Ser Phe Leu Ala Phe Leu Asp Cys Ala Ser Leu Thr
 50 55 60
 Ser Thr Xaa
 65

<210> 256
 <211> 69
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (69)
 <223> Xaa equals stop translation

<400> 256
 Met Ser Thr Phe Gln Leu Leu Leu Leu Ile Leu Ala Gln Ser Thr Tyr
 1 5 10 15
 Lys Ile Lys Ser Lys Pro Leu His Met Thr Asn His Thr Leu Leu Asn
 20 25 30
 Ser Pro Gly Leu Asn Pro Ser Ser Pro Thr Leu Asn Phe Lys Thr Gln
 35 40 45
 Gln His Glu Ser Val Ser Tyr Ala Cys Cys His Met Arg Ser Leu His
 50 55 60
 His Ala Phe Ala Xaa
 65

<210> 257
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals stop translation

<400> 257
 Met Val Ser Val Val Leu Ile Phe Ser Phe Leu Ser Leu Thr Ile Ser
 1 5 10 15

Thr Thr Ala Ser Ala Tyr Asn Gly Asn Asp Thr Gln Gly Trp Asn Asp
 20 25 30

Lys Phe His Xaa Xaa Ser Val Lys Thr Gln Thr Xaa
 35 40

<210> 258
 <211> 51
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals stop translation

<400> 258
 Met Ile Ser Asp Ala Gly Ala Gly Phe Gly Val Phe Leu Leu Val Pro
 1 5 10 15

Arg Ala Gly His Cys Trp Gly Ala Gly Lys Pro Leu Pro Ser Cys Pro
 20 25 30

Ser Val Ala Ser Ile Pro Ser Trp Val Leu Pro Ser Phe Leu Glu Arg
 35 40 45

Gly Arg Xaa
 50

<210> 259

<211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals stop translation

<400> 259
 Met Val Gln Thr Ile Gln Asp Phe Leu Ser Leu Phe Ser Thr Pro Ile
 1 5 10 15

Phe Leu Leu Leu Leu Met Phe Glu Thr Leu Ser Leu Ala Pro Ala Trp
 20 25 30

Leu Lys Pro Leu Arg Val Thr Ser His Ser Xaa
 35 40

<210> 260
 <211> 61
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (61)
 <223> Xaa equals stop translation

<400> 260
 Met Ile Leu Met Pro Gly Leu Gly Thr Ser Arg Gln Arg Ser Val Pro
 1 5 10 15

Phe Val Pro Thr Leu Asn Ala Ser Thr Pro Gly Ala Met Thr Gly Pro
 20 25 30

Thr Ala Thr Leu Thr Ser Cys Gln Trp Thr Thr Ala Cys Arg Val Ser
 35 40 45

Trp Ala Asn Gly Trp Thr Ser Leu Arg Thr Phe Arg Xaa
 50 55 60

<210> 261
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals stop translation

<400> 261
 Met Ser His His Ala Gln Pro Arg Phe Leu Leu Ile Thr Met Leu Leu
 1 5 10 15

Gln Glu Ala Lys Pro Val Ser Asn Ile Pro His Leu Leu Glu Ser Trp
 20 25 30

Tyr Phe Gly Xaa
 35

<210> 262
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals stop translation

<400> 262
 Met Asn Ser Leu Phe Trp Met Ile Leu Leu Pro Val Ser Gln Asp Gln
 1 5 10 15

Val Val Glu Gly Leu Gln Gly Gly Phe Ser Gln Ile His Met Arg Ile
 20 25 30

Leu Arg Lys His Leu Xaa
 35

<210> 263
 <211> 211
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (211)
 <223> Xaa equals stop translation

<400> 263
 Met Ser Arg Ser Xaa Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala
 1 5 10 15

Ala Ser Ile Tyr Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala
 20 25 30

Leu His Gln Gly Asp Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile
 35 40 45

Leu Leu Lys Leu Asp Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg
 50 55 60

Met Gln Asp Leu Asp Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala
 65 70 75 80

Trp Val Ser Leu Ala Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr
85 90 95

Ile Phe Gln Glu Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu
100 105 110

Asn Gly Gln Ala Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala
115 120 125

Glu Gly Leu Leu Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu
130 135 140

Thr Leu Val Asn Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro
145 150 155 160

Glu Val Thr Asn Arg Tyr Leu Ser Gln Leu Lys Asp Ala His Arg Ser
165 170 175

His Pro Phe Ile Lys Glu Tyr Gln Ala Lys Glu Asn Asp Phe Asp Arg
180 185 190

Leu Val Leu Gln Tyr Ala Pro Ser Ala Glu Ala Gly Pro Glu Leu Ser
195 200 205

Gly Pro Xaa
210

<210> 264

<211> 548

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (548)

<223> Xaa equals stop translation

<400> 264

Met Glu Asp Ser Glu Ala Leu Gly Phe Glu His Met Gly Leu Asp Pro
1 5 10 15

Arg Leu Leu Gln Ala Val Thr Asp Leu Gly Trp Ser Arg Pro Thr Leu
20 25 30

Ile Gln Glu Lys Ala Ile Pro Leu Ala Leu Glu Gly Lys Asp Leu Leu
35 40 45

Ala Arg Ala Arg Thr Gly Ser Gly Lys Thr Ala Ala Tyr Ala Ile Pro
50 55 60

Met Leu Gln Leu Leu Leu His Arg Lys Ala Thr Gly Pro Val Val Glu
65 70 75 80

Gln Ala Val Arg Gly Leu Val Leu Val Pro Thr Lys Glu Leu Ala Arg
85 90 95

Gln Ala Gln Ser Met Ile Gln Gln Leu Ala Thr Tyr Cys Ala Arg Asp
 100 105 110
 Val Arg Val Ala Asn Val Ser Ala Ala Glu Asp Ser Val Ser Gln Arg
 115 120 125
 Ala Val Leu Met Glu Lys Pro Asp Val Val Val Gly Thr Pro Ser Arg
 130 135 140
 Ile Leu Ser His Leu Gln Gln Asp Ser Leu Lys Leu Arg Asp Ser Leu
 145 150 155 160
 Glu Leu Leu Val Val Asp Glu Ala Asp Leu Leu Phe Ser Phe Gly Phe
 165 170 175
 Glu Glu Glu Leu Lys Ser Leu Leu Cys His Leu Pro Arg Ile Tyr Gln
 180 185 190
 Ala Phe Leu Met Ser Ala Thr Phe Asn Glu Asp Val Gln Ala Leu Lys
 195 200 205
 Glu Leu Ile Leu His Asn Pro Val Thr Leu Lys Leu Gln Glu Ser Gln
 210 215 220
 Leu Pro Gly Pro Asp Gln Leu Gln Gln Phe Gln Val Val Cys Glu Thr
 225 230 235 240
 Glu Glu Asp Lys Phe Leu Leu Leu Tyr Ala Leu Leu Lys Leu Ser Leu
 245 250 255
 Ile Arg Gly Lys Ser Leu Leu Phe Val Asn Thr Leu Glu Arg Ser Tyr
 260 265 270
 Arg Leu Arg Leu Phe Leu Glu Gln Phe Ser Ile Pro Thr Cys Val Leu
 275 280 285
 Asn Gly Glu Leu Pro Leu Arg Ser Arg Cys His Ile Ile Ser Gln Phe
 290 295 300
 Asn Gln Gly Phe Tyr Asp Cys Val Ile Ala Thr Asp Ala Glu Val Leu
 305 310 315 320
 Gly Ala Pro Val Lys Gly Lys Arg Arg Gly Arg Gly Pro Lys Gly Asp
 325 330 335
 Lys Ala Ser Asp Pro Glu Ala Gly Val Ala Arg Gly Ile Asp Phe His
 340 345 350
 His Val Ser Ala Val Leu Asn Phe Asp Leu Pro Pro Thr Pro Glu Ala
 355 360 365
 Tyr Ile His Arg Ala Gly Arg Thr Ala Arg Ala Asn Asn Pro Gly Ile
 370 375 380
 Val Leu Thr Phe Val Leu Pro Thr Glu Gln Phe His Leu Gly Lys Ile
 385 390 395 400
 Glu Glu Leu Leu Ser Gly Glu Asn Arg Gly Pro Ile Leu Leu Pro Tyr

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<210> 265
<211> 299
<212> PRT
<213> Homo sapiens

<400> 265
Met Thr Thr Val Pro Pro Ser Pro Arg Pro Met Ser Arg Pro Ser Glu
  1              5              10              15
Arg Asn Met Arg Arg Pro Arg Gly Pro Ser Pro Leu Pro Ala Ser Pro
      20              25              30
Arg Asn Ser Thr Pro Asp Glu Pro Asp Val His Phe Ser Lys Lys Phe
      35              40              45
Leu Asn Val Phe Met Ser Gly Arg Ser Arg Ser Ser Ala Glu Ser
      50              55              60
Phe Gly Leu Phe Ser Cys Ile Ile Asn Gly Glu Glu Gln Glu Gln Thr
      65              70              75              80
His Arg Ala Ile Phe Arg Phe Val Pro Arg His Glu Asp Glu Leu Glu
      85              90              95
Leu Glu Val Asp Asp Pro Leu Leu Val Glu Leu Gln Ala Glu Asp Tyr
      100              105              110
Trp Tyr Glu Ala Tyr Asn Met Arg Thr Gly Ala Arg Gly Val Phe Pro

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115	120	125
Ala Tyr Tyr Ala Ile Glu Val Thr Lys Glu Pro Glu His Met Ala Ala		
130	135	140
Leu Ala Lys Asn Ser Asp Trp Val Asp Gln Phe Arg Val Lys Phe Leu		
145	150	155 160
Gly Ser Val Gln Val Pro Tyr His Lys Gly Asn Asp Val Leu Cys Ala		
	165 170	175
Ala Met Gln Lys Ile Ala Thr Thr Arg Arg Leu Thr Val His Phe Asn		
	180 185	190
Pro Pro Ser Ser Cys Val Leu Glu Ile Ser Val Arg Gly Val Lys Ile		
	195 200	205
Gly Val Lys Ala Asp Asp Ser Gln Glu Ala Lys Gly Asn Lys Cys Ser		
	210 215	220
His Phe Phe Gln Leu Lys Asn Ile Ser Phe Cys Gly Tyr His Pro Lys		
225	230 235	240
Asn Asn Lys Tyr Phe Gly Phe Ile Thr Lys His Pro Ala Asp His Arg		
	245 250	255
Phe Ala Cys His Val Phe Val Ser Glu Asp Ser Thr Lys Ala Leu Ala		
	260 265	270
Glu Ser Val Gly Arg Ala Phe Gln Gln Phe Tyr Lys Gln Phe Val Glu		
	275 280	285
Tyr Thr Cys Pro Thr Glu Asp Ile Tyr Leu Glu		
	290 295	

<210> 266

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals stop translation

<400> 266

Leu Leu Tyr Leu Leu Lys Val Xaa Val Ile Phe Val Phe Ser Ser Ser
1 5 10 15

Lys Gly Val Thr Leu Val Ser Met Asn Leu Thr Ser Phe Phe Val Ser
20 25 30

Ser Val Leu Ala Cys Phe Ser Xaa
 35 40

<210> 267

<211> 594

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 267

Met Pro Ala Ser Ser Leu Glu Ser Arg Ser Phe Leu Leu Ala Lys Lys
 1 5 10 15

Ser Gly Glu Asn Val Ala Lys Phe Ile Ile Asn Ser Tyr Pro Lys Tyr
 20 25 30

Phe Gln Lys Asp Ile Ala Glu Pro His Ile Pro Cys Leu Met Pro Glu
 35 40 45

Tyr Phe Glu Pro Gln Ile Lys Asp Ile Ser Glu Ala Ala Leu Lys Glu
 50 55 60

Arg Ile Glu Leu Arg Lys Val Lys Ala Ser Val Asp Met Phe Asp Gln
 65 70 75 80

Leu Leu Gln Ala Gly Thr Thr Val Ser Leu Glu Thr Thr Asn Ser Leu
 85 90 95

Leu Asp Xaa Leu Cys Tyr Tyr Gly Asp Gln Glu Pro Ser Thr Asp Tyr
 100 105 110

His Phe Gln Gln Thr Gly Gln Ser Glu Ala Leu Glu Glu Glu Asn Asp
 115 120 125

Glu Thr Ser Arg Arg Lys Ala Gly His Gln Phe Gly Val Thr Trp Arg
 130 135 140

Ala Lys Asn Asn Ala Glu Arg Ile Phe Ser Leu Met Pro Glu Lys Asn
 145 150 155 160

Glu His Ser Tyr Cys Thr Met Ile Arg Gly Met Val Lys His Arg Ala
 165 170 175

Tyr Glu Gln Ala Leu Asn Leu Tyr Thr Glu Leu Leu Asn Asn Arg Leu
 180 185 190

His Ala Asp Val Tyr Thr Phe Asn Ala Leu Ile Glu Ala Thr Val Cys
 195 200 205

Ala Ile Asn Glu Lys Phe Glu Glu Lys Trp Ser Lys Ile Leu Glu Leu
 210 215 220

Leu Arg His Met Val Ala Gln Lys Val Lys Pro Asn Leu Gln Thr Phe

225		230		235		240
Asn Thr Ile Leu Lys Cys Leu Arg Arg Phe His Val Phe Ala Arg Ser						
	245			250		255
Pro Ala Leu Gln Val Leu Arg Glu Met Lys Ala Ile Gly Ile Glu Pro						
	260			265		270
Ser Leu Ala Thr Tyr His His Ile Ile Arg Leu Phe Asp Gln Pro Gly						
	275			280		285
Asp Pro Leu Lys Arg Ser Ser Phe Ile Ile Tyr Asp Ile Met Asn Glu						
	290			295		300
Leu Met Gly Lys Arg Phe Ser Pro Lys Asp Pro Asp Asp Asp Lys Phe						
	305			310		315
						320
Phe Gln Ser Ala Met Ser Ile Cys Ser Ser Leu Arg Asp Leu Glu Leu						
	325			330		335
Ala Tyr Gln Val His Gly Leu Leu Lys Thr Gly Asp Asn Trp Lys Phe						
	340			345		350
Ile Gly Pro Asp Gln His Arg Asn Phe Tyr Tyr Ser Lys Phe Phe Asp						
	355			360		365
Leu Ile Cys Leu Met Glu Gln Ile Asp Val Thr Leu Lys Trp Tyr Glu						
	370			375		380
Asp Leu Ile Pro Ser Ala Tyr Phe Pro His Ser Gln Thr Met Ile His						
	385			390		395
						400
Leu Leu Gln Ala Leu Asp Val Ala Asn Arg Leu Glu Val Ile Pro Lys						
	405			410		415
Ile Trp Lys Asp Ser Lys Glu Tyr Gly His Thr Phe Arg Ser Asp Leu						
	420			425		430
Arg Glu Glu Ile Leu Met Leu Met Ala Arg Asp Lys His Pro Pro Glu						
	435			440		445
Leu Gln Val Ala Phe Ala Asp Cys Ala Ala Asp Ile Lys Ser Ala Tyr						
	450			455		460
Glu Ser Gln Pro Ile Arg Gln Thr Ala Gln Asp Trp Pro Ala Thr Ser						
	465			470		475
						480
Leu Asn Cys Ile Ala Ile Leu Phe Leu Arg Ala Gly Arg Thr Gln Glu						
	485			490		495
Ala Trp Lys Met Leu Gly Leu Phe Arg Lys His Asn Lys Ile Pro Arg						
	500			505		510
Ser Glu Leu Leu Asn Glu Leu Met Asp Ser Ala Lys Val Ser Asn Ser						
	515			520		525
Pro Ser Gln Ala Ile Glu Val Val Glu Leu Ala Ser Ala Phe Ser Leu						
	530			535		540

Pro Ile Cys Glu Gly Leu Thr Gln Arg Val Met Ser Asp Phe Ala Ile
545 550 555 560

Asn Gln Glu Gln Lys Glu Ala Leu Ser Asn Leu Thr Ala Leu Thr Ser
565 570 575

Asp Ser Asp Thr Asp Ser Ser Ser Asp Ser Asp Ser Asp Thr Ser Glu
580 585 590

Gly Lys

<210> 268

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (131)

<223> Xaa equals stop translation

<400> 268

Met Lys Leu Asn Leu Cys Ile Pro Asn Trp Ala Arg Cys Pro Leu Leu
1 5 10 15

Leu Leu Phe Pro Gln Leu Leu Pro Phe Gln Gly Glu Asp Asp Asp Pro
20 25 30

Leu Lys Ala Lys Ala Ala Asn Leu Val Glu Ala Val Pro Trp Gly Ile
35 40 45

Lys Ala Pro Ser Phe Gln Val Thr Cys Leu Val Arg Val Gln Leu Gln
50 55 60

Ser Cys Thr Pro Ser Arg Pro Ser Thr Leu Leu Ala Thr Ser Gln Ser
65 70 75 80

Pro Gly Arg Ile Ser Cys Tyr Ser Pro Leu Ser His Leu Pro Pro Val
85 90 95

Thr Thr Ser Ile Gln Pro Ser Pro Val Met Val Pro Phe Gln Tyr Gln
100 105 110

Ala Phe Leu Leu Gln Val Lys Glu Pro Ala Ala Gln Thr Leu Leu Gly
115 120 125

Gln Gln Xaa
130

<210> 269

<211> 21

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals stop translation

<400> 269
 Met Arg Tyr His Ala Gln Leu Ile Phe Cys Ile Phe Cys Xaa Phe Val
 1 5 10 15
 Phe Val Xaa Lys Xaa
 20

<210> 270
 <211> 159
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (109)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (118)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (122)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 270
 Met Thr Gly Thr Tyr Ser Gly Gln Phe Val Met Glu Gly Phe Leu Asn
 1 5 10 15
 Leu Lys Trp Ser Arg Phe Ala Arg Val Val Leu Thr Arg Ser Ile Ala
 20 25 30
 Ile Ile Pro Thr Leu Leu Val Ala Val Phe Gln Asp Val Glu His Leu
 35 40 45

Thr Gly Met Asn Asp Phe Leu Asn Val Leu Gln Ser Leu Gln Leu Pro
50 55 60

Phe Ala Leu Ile Pro Ile Leu Thr Phe Thr Ser Leu Arg Pro Val Met
65 70 75 80

Ser Asp Phe Ala Asn Gly Leu Gly Trp Arg Ile Ala Gly Gly Ile Trp
85 90 95

Ser Tyr His Leu Phe His His Met Tyr Phe Val Val Xaa Tyr Val Arg
100 105 110

Asp Leu Arg His Val Xaa Leu Tyr Val Xaa Ala Ala Val Val Xaa Arg
115 120 125

Gly Leu Ser Gly Leu Cys Val Leu Leu Gly Leu Ala Met Phe Asp Cys
130 135 140

Thr Gly His Val Leu Pro Gly Leu Trp Ala Tyr Gly Lys His Leu
145 150 155

<210> 271

<211> 219

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (219)

<223> Xaa equals stop translation

<400> 271

Met His Phe Leu Phe Arg Phe Ile Val Phe Phe Tyr Leu Trp Gly Leu
1 5 10 15

Phe Thr Ala Gln Arg Gln Lys Lys Glu Glu Ser Thr Glu Glu Val Lys
20 25 30

Ile Glu Val Leu His Arg Pro Glu Asn Cys Ser Lys Thr Ser Lys Lys
35 40 45

Gly Asp Leu Leu Asn Ala His Tyr Asp Gly Tyr Leu Ala Lys Asp Gly
50 55 60

Ser Lys Phe Tyr Cys Ser Arg Thr Gln Asn Glu Gly His Pro Lys Trp
65 70 75 80

Phe Val Leu Gly Val Gly Gln Val Ile Lys Gly Leu Asp Ile Ala Met
85 90 95

Thr Asp Met Cys Pro Gly Glu Lys Arg Lys Val Val Ile Pro Pro Ser
100 105 110

Phe Ala Tyr Gly Lys Glu Gly Tyr Ala Glu Gly Lys Ile Pro Pro Asp
115 120 125

Ala Thr Leu Ile Phe Glu Ile Glu Leu Tyr Ala Val Thr Lys Gly Pro

130	135	140
Arg Ser Ile Glu Thr Phe Lys Gln Ile Asp Met Asp Asn Asp Arg Gln		
145	150	155 160
Leu Ser Lys Ala Glu Ile Asn Leu Tyr Leu Gln Arg Glu Phe Glu Lys		
	165	170 175
Asp Glu Lys Pro Arg Asp Lys Ser Tyr Gln Asp Ala Val Leu Glu Asp		
	180	185 190
Ile Phe Lys Lys Asn Asp His Asp Gly Asp Gly Phe Ile Ser Pro Lys		
	195	200 205
Glu Tyr Asn Val Tyr Gln His Asp Glu Leu Xaa		
	210	215

<210> 272

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals stop translation

<400> 272

Met Trp Val Ile Arg Val Phe Gln Lys Thr Phe Leu Phe Phe Val Leu
1 5 10 15

Phe Trp Ser Val His Cys Ile Ser Asp Lys Phe Gly Cys Leu Trp His
20 25 30

Val Cys Met Lys Arg Glu Gly Asp Xaa Asn Cys Leu Ser Phe Ser Xaa
35 40 45

Leu Xaa
50

<210> 273

<211> 122

<212> PRT

<213> Homo sapiens

<220>

> SITE
 > (7)
 > Xaa equals any of the naturally occurring L-amino acids

>
 > SITE
 > (20)
 > Xaa equals any of the naturally occurring L-amino acids

>
 > SITE
 > (122)
 > Xaa equals stop translation

> 273
 Pro Ser Gln Thr Glu Xaa Phe Ala Ala Cys Gly Gly His Ser Leu
 5 10 15
 Leu Val Xaa Leu Pro Leu Gly Leu Pro Phe Cys Pro Arg Ala Ala
 20 25 30
 Cys Asp Leu Pro Phe Ser Leu Pro Ser Phe Pro Gly Gln Ala Arg
 35 40 45
 Gly Gly Ala Glu Lys Gln Gly Ala Glu Gly Arg Gly Leu Gln Val
 50 55 60
 Pro Arg Gly Gln Arg Thr Phe Gln Val Ser Arg Thr Ala Pro Ala
 70 75 80
 Pro Arg Ser Arg Gln Pro Arg Pro Pro Ala Ala Leu Pro Ala Leu
 85 90 95
 Phe Gly Gly Arg Gly Val Ala Lys Gly Arg Phe Leu Cys Phe Trp
 100 105 110
 Leu Tyr Met Leu Arg Ile Asp Gln Xaa
 115 120

0> 274
 1> 88
 2> PRT
 3> Homo sapiens

0>
 1> SITE
 2> (53)
 3> Xaa equals any of the naturally occurring L-amino acids

0>
 1> SITE
 2> (88)
 3> Xaa equals stop translation

00> 274
 Thr Ala Phe Cys Ser Leu Leu Leu Gln Ala Gln Ser Leu Leu Pro
 5 10 15

Arg Thr Met Ala Ala Pro Gln Asp Ser Leu Arg Pro Gly Glu Glu Asp
 20 25 30

Glu Gly Met Gln Leu Leu Gln Thr Lys Asp Ser Met Ala Lys Gly Ala
 35 40 45

Arg Pro Gly Ala Xaa Arg Gly Arg Ala Arg Trp Gly Leu Ala Tyr Thr
 50 55 60

Leu Leu His Asn Pro Thr Leu Gln Val Phe Arg Lys Thr Ala Leu Leu
 65 70 75 80

Gly Ala Asn Gly Ala Gln Pro Xaa
 85

<210> 275

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals stop translation

<400> 275

Met Ile Gln Val Ser Val Pro Leu Leu Thr Ile Met Ile Phe Leu Leu
 1 5 10 15

Tyr Leu Gln Ile Gly Pro Gly Lys Leu Xaa
 20 25

<210> 276

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals stop translation

<400> 276

Met Leu Leu Asp Pro Phe Ile Leu Leu Phe Cys Leu Phe Ser Thr Ala
 1 5 10 15

Ala Gln Ser Cys Leu Glu Phe Ile Tyr Ile Gln Phe Xaa
 20 25

<210> 277

<211> 44

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals stop translation

<400> 277
 Met Lys Phe Leu Ser Ile Leu Leu Asp Asp Asn Asn Phe Xaa Leu Met
 1 5 10 15

Leu Met Leu Ala Pro Phe Gly Cys Leu Ala Phe Glu Arg Ser Met Lys
 20 25 30

Met Arg Asn Gly Ala Leu Gly Leu Glu Glu Val Xaa
 35 40

<210> 278
 <211> 363
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (307)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (363)
 <223> Xaa equals stop translation.

<400> 278
 Met Arg Thr Leu Phe Asn Leu Leu Trp Leu Ala Leu Ala Cys Ser Pro
 1 5 10 15

Val His Thr Thr Leu Ser Lys Ser Asp Ala Lys Lys Ala Ala Ser Lys
 20 25 30

Thr Leu Leu Glu Lys Ser Gln Phe Ser Asp Lys Pro Val Gln Asp Arg
 35 40 45

Gly Leu Val Val Thr Asp Leu Lys Ala Glu Ser Val Val Leu Glu His
 50 55 60

Arg Ser Tyr Cys Ser Ala Lys Ala Arg Asp Arg His Phe Ala Gly Asp
 65 70 75 80

Val Leu Gly Tyr Val Thr Pro Trp Asn Ser His Gly Tyr Asp Val Thr
 85 90 95

Lys Val Phe Gly Ser Lys Phe Thr Gln Ile Ser Pro Val Trp Leu Gln
 100 105 110


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Leu Lys Arg Arg Gly Arg Glu Met Phe Glu Val Thr Gly Leu His Asp
    115                      120                      125

Val Asp Gln Gly Trp Met Arg Ala Val Arg Lys His Ala Lys Gly Leu
    130                      135                      140

His Ile Val Pro Arg Leu Leu Phe Glu Asp Trp Thr Tyr Asp Asp Phe
    145                      150                      155                      160

Arg Asn Val Leu Asp Ser Glu Asp Glu Ile Glu Glu Leu Ser Lys Thr
    165                      170                      175

Val Val Gln Val Ala Lys Asn Gln His Phe Asp Gly Phe Val Val Glu
    180                      185                      190

Val Trp Asn Gln Leu Leu Ser Gln Lys Arg Val Thr Asp Gln Leu Gly
    195                      200                      205

Met Phe Thr His Lys Glu Phe Glu Gln Leu Ala Pro Val Leu Asp Gly
    210                      215                      220

Phe Ser Leu Met Thr Tyr Asp Tyr Ser Thr Ala His Gln Pro Gly Pro
    225                      230                      235                      240

Asn Ala Pro Leu Ser Trp Val Arg Ala Cys Val Gln Val Leu Asp Pro
    245                      250                      255

Lys Ser Lys Trp Arg Ser Lys Ile Leu Leu Gly Leu Asn Phe Tyr Gly
    260                      265                      270

Met Asp Tyr Ala Thr Ser Lys Asp Ala Arg Glu Pro Val Val Gly Ala
    275                      280                      285

Arg Tyr Ile Gln Thr Leu Lys Asp His Arg Pro Arg Met Val Trp Asp
    290                      295                      300

Ser Gln Xaa Ser Glu His Phe Phe Glu Tyr Lys Lys Ser Arg Ser Gly
    305                      310                      315                      320

Arg His Val Val Phe Tyr Pro Thr Leu Lys Ser Leu Gln Val Arg Leu
    325                      330                      335

Glu Leu Ala Arg Glu Leu Gly Val Gly Val Ser Ile Trp Glu Leu Gly
    340                      345                      350

Gln Gly Leu Asp Tyr Phe Tyr Asp Leu Leu Xaa
    355                      360

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<210> 279

<211> 128

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (128)

<223> Xaa equals stop translation

<400> 279

Leu Pro Thr Lys Ile Leu Val Lys Pro Asp Arg Thr Phe Glu Ile Lys
 1 5 10 15
 Ile Gly Gln Pro Thr Val Ser Tyr Phe Leu Lys Ala Ala Ala Gly Ile
 20 25 30
 Glu Lys Gly Ala Arg Gln Thr Gly Lys Glu Val Ala Gly Leu Val Thr
 35 40 45
 Leu Lys His Val Tyr Glu Ile Ala Arg Ile Lys Ala Gln Asp Glu Ala
 50 55 60
 Phe Ala Leu Gln Asp Val Pro Leu Ser Ser Val Val Arg Ser Ile Ile
 65 70 75 80
 Gly Ser Ala Arg Ser Leu Gly Ile Arg Val Val Lys Asp Leu Ser Ser
 85 90 95
 Glu Glu Leu Ala Ala Phe Gln Lys Glu Arg Ala Ile Phe Leu Ala Ala
 100 105 110
 Gln Lys Glu Ala Asp Leu Ala Ala Gln Glu Glu Ala Ala Lys Lys Xaa
 115 120 125

<210> 280

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (54)

<223> Xaa equals stop translation

<400> 280

Met Leu Leu Gln Ile His Pro Leu Leu Pro Ser Pro Thr Ile Pro His
 1 5 10 15
 Ile Leu Leu Leu Phe Leu Tyr Pro Thr Phe Ser Ile Leu Glu His Ser
 20 25 30
 Cys Ser Tyr Cys Ile Glu Tyr Leu Trp Val Cys Leu Leu Phe Cys Leu
 35 40 45
 Ser Leu Trp Phe Leu Xaa
 50

<210> 281

<211> 29

<212> PRT

<213> Homo sapiens

<400> 281

Met Cys Leu Trp Cys Cys Gly Asp Val Cys Ser Gly Leu Ser Ser Leu
 1 5 10 15

Leu Ser Leu Cys Val Cys Cys Val Val Leu Ala Val Cys
 20 25

<210> 282

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals stop translation

<400> 282

Glu Gly Leu Arg Leu Leu Leu Ser Leu Pro Ala Ala Leu Pro Arg Ser
 1 5 10 15

Cys Cys His Pro Arg Trp Leu Pro Val Xaa
 20 25

<210> 283

<211> 221

<212> PRT

<213> Homo sapiens

<400> 283

Met Phe His Gly Ile Pro Ala Thr Pro Gly Ile Gly Ala Pro Gly Asn
 1 5 10 15

Lys Pro Glu Leu Tyr Glu Glu Val Lys Leu Tyr Lys Asn Ala Arg Glu
 20 25 30

Arg Glu Lys Tyr Asp Asn Met Ala Glu Leu Phe Ala Val Val Lys Thr
 35 40 45

Met Gln Ala Leu Glu Lys Ala Tyr Ile Lys Asp Cys Val Ser Pro Ser
 50 55 60

Glu Tyr Thr Ala Ala Cys Ser Arg Leu Leu Val Gln Tyr Lys Ala Ala
 65 70 75 80

Phe Arg Gln Val Gln Gly Ser Glu Ile Ser Ser Ile Asp Glu Phe Cys
 85 90 95

Arg Lys Phe Arg Leu Asp Cys Pro Leu Ala Met Glu Arg Ile Lys Glu
 100 105 110

Asp Arg Pro Ile Thr Ile Lys Asp Asp Lys Gly Asn Leu Asn Arg Cys
 115 120 125

Ile Ala Asp Val Val Ser Leu Phe Ile Thr Val Met Asp Lys Leu Arg

130

135

140

Leu Glu Ile Arg Ala Met Asp Glu Ile Gln Pro Asp Leu Arg Glu Leu
 145 150 155 160

Met Glu Thr Met His Arg Met Ser His Leu Pro Pro Asp Phe Glu Gly
 165 170 175

Arg Gln Thr Val Ser Gln Trp Leu Gln Thr Leu Ser Gly Met Ser Ala
 180 185 190

Ser Asp Glu Leu Asp Asp Ser Gln Val Arg Gln Met Leu Phe Asp Leu
 195 200 205

Glu Ser Ala Tyr Asn Ala Phe Asn Arg Phe Leu His Ala
 210 215 220

<210> 284

<211> 40

<212> PRT

<213> Homo sapiens

<400> 284

Met Gly Asn Ser Gln Val Pro Gln Ser Ser Asp Phe Ser Ser Ile Leu
 1 5 10 15

Leu Thr Thr Ser Leu Gly Thr Tyr Ser Leu Leu Leu Gly Thr Ala Gly
 20 25 30

Ala Arg Thr Gly Ser Pro Met Ser
 35 40

<210> 285

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals stop translation

<400> 285

Met Gln Ala Pro Phe Xaa His Phe Ser Phe Arg Met Phe Ser Asn Leu
 1 5 10 15

Tyr Cys Phe Ser Asp Phe Gln Pro Asn Ile Ser Pro Cys Pro Leu Cys
 20 25 30

His Cys Ile Leu Pro Xaa His His His Val Phe Leu Leu Leu Ala Val
 35 40 45

Xaa

<210> 286

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals stop translation

<400> 286

Met Lys Leu Val Thr Met Phe Asp Lys Leu Ser Arg Asn Arg Val Ile
 1 5 10 15

Gln Pro Met Gly Met Ser Pro Arg Gly His Leu Thr Ser Leu Gln Asp
 20 25 30

Ala Met Cys Glu Thr Met Glu Gln Gln Leu Ser Ser Asp Pro Asp Ser
 35 40 45

Asp Pro Asp Xaa
 50

<210> 287

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals stop translation

<400> 287

Met Ala Val Gly Glu Ala Val Phe Val Pro Leu Gln His Pro Pro Leu
 1 5 10 15

Leu His Gly Ser Pro Ile Pro Lys Leu Leu Pro Gly Pro Leu Leu Xaa
 20 25 30

<210> 288

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals stop translation

<400> 288

Met Asn Gly Cys His Arg Arg Lys Arg Leu His Leu Cys Lys Thr Ile
1 5 10 15

Tyr Leu Leu Trp Phe Val Phe Ser Phe Leu Leu Ser Asn Glu Val Val
20 25 30

Ser Ser His Trp His Ile Leu Arg Ala Val Gln Ile Ile Cys Thr Leu
35 40 45

Phe His Arg Xaa Ile Ser Ala Phe Xaa
50 55

<210> 289

<211> 22

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals stop translation

<400> 289

Met Gly Trp Val Ser Ser Pro His Val Lys Arg Arg Glu Cys Val Leu
1 5 10 15

Lys Lys Pro Phe Phe Xaa
20

<210> 290

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals stop translation

<400> 290

Met Phe Asn Phe Phe Lys Asn Pro Leu Leu Thr Cys Leu Phe Ile Ser
1 5 10 15

Cys Tyr Leu Tyr Leu Ser Leu Leu Val Asn Lys Val Leu Phe Ala Glu
 20 25 30

Glu Gly Leu Cys Cys Thr Tyr Cys Thr Thr Ser Asn Thr Gly Glu Gly
 35 40 45

Gly Val Xaa
 50

<210> 291

<211> 98

<212> PRT

<213> Homo sapiens

<400> 291

Met Val Tyr Ile Tyr His Ile Phe Phe Ile His Ser Leu Leu Asp Gly
 1 5 10 15

Gln Leu Gly Trp Phe His Ile Phe Ala Ile Val Ser Cys Ala Ala Pro
 20 25 30

Asp Ile Ile Phe Asn Ser Phe Ala Phe Ser Thr Tyr Ile Ser Lys Ser
 35 40 45

Cys Ser Phe Tyr Leu Gln Asn Val Ser Cys Ile His Ser Ser Leu Ser
 50 55 60

Ile Phe Asn Leu Phe Gln Cys Pro Ile Ile Ser Cys Met Glu Glu Cys
 65 70 75 80

Asn Asn Trp Leu Thr Gly Leu Phe Leu His Phe Lys Ile Lys Arg Cys
 85 90 95

Asp Arg

<210> 292

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals stop translation

<400> 292

Met Leu Cys Thr Ile Leu Thr Val Val Ile Ile Ile Ala Ala Gln Thr
 1 5 10 15

Thr Arg Thr Thr Gly Ile Pro Lys Asn Ala Pro Gly Pro Ala Pro Leu

20

25

30

Cys Ala Pro Arg Ser Pro Arg Leu Phe Leu Gln Xaa Tyr Arg Gly Pro
 35 40 45

Asn Gly Arg Pro Ala His Pro Phe Leu Gly Pro Ser Asp Leu Asp Thr
 50 55 60

Ser Xaa
 65

<210> 293
 <211> 257
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (187)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (229)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (232)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (235)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (236)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (237)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (257)
 <223> Xaa equals stop translation

<400> 293

Met Leu Gly Ala Lys Pro His Trp Leu Pro Gly Pro Leu His Ser Pro
 1 5 10 15
 Gly Leu Pro Leu Val Leu Val Leu Leu Ala Leu Gly Ala Gly Trp Ala
 20 25 30
 Gln Glu Gly Ser Glu Pro Val Leu Leu Glu Gly Glu Cys Leu Val Val
 35 40 45
 Cys Glu Pro Gly Arg Ala Ala Ala Gly Gly Pro Gly Gly Ala Ala Leu
 50 55 60
 Gly Glu Ala Pro Pro Gly Arg Val Ala Phe Xaa Ala Val Arg Ser His
 65 70 75 80
 His His Glu Pro Ala Gly Glu Thr Gly Asn Gly Thr Ser Gly Ala Ile
 85 90 95
 Tyr Phe Asp Gln Val Leu Val Asn Glu Gly Gly Gly Phe Asp Arg Ala
 100 105 110
 Ser Gly Ser Phe Val Ala Pro Val Arg Gly Val Tyr Ser Phe Arg Phe
 115 120 125
 His Val Val Lys Val Tyr Asn Arg Gln Thr Val Gln Val Ser Leu Met
 130 135 140
 Leu Asn Thr Trp Pro Val Ile Ser Ala Phe Ala Asn Asp Pro Asp Val
 145 150 155 160
 Thr Arg Glu Ala Ala Thr Ser Ser Val Leu Leu Pro Leu Asp Pro Gly
 165 170 175
 Asp Arg Val Ser Leu Arg Leu Arg Arg Gly Xaa Ser Thr Gly Trp Leu
 180 185 190
 Glu Ile Leu Lys Phe Leu Trp Leu Pro His Leu Pro Ser Leu Lys Asp
 195 200 205
 Pro Ser Leu Ser Ser Thr Arg Ile Gln Pro Leu Thr Thr Phe Phe Cys
 210 215 220
 Pro Leu Leu Pro Xaa Lys Gln Xaa Lys Gln Xaa Xaa Xaa Ser Leu Trp
 225 230 235 240
 Leu Leu Ser His Leu Phe Ala Trp Glu Pro Val Pro Asn Thr Gln Val
 245 250 255

Xaa

<210> 294

<211> 103

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
 <222> (78)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (80)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (81)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals stop translation

<400> 294
 Met Ala Pro Arg Ala Leu Pro Gly Ser Ala Val Leu Ala Ala Ala Val
 1 5 10 15
 Phe Val Gly Gly Ala Val Ser Ser Pro Leu Val Ala Pro Asp Asn Gly
 20 25 30
 Ser Ser Arg Thr Leu His Ser Arg Thr Glu Thr Thr Pro Ser Pro Ser
 35 40 45
 Asn Asp Thr Gly Asn Gly His Pro Glu Tyr Ile Ala Tyr Ala Leu Val
 50 55 60
 Pro Val Phe Phe Ile Met Gly Leu Phe Gly Val Leu Ile Xaa Pro Xaa
 65 70 75 80
 Xaa Xaa Lys Lys Lys Gly Tyr Arg Cys Thr Thr Glu Ala Glu Gln Asp
 85 90 95
 Ile Glu Glu Glu Lys Gly Xaa
 100

<210> 295
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals stop translation

<400> 295

Met Pro Val Thr Leu Ser Ser Leu Gly Phe Trp Val Leu Leu Ser Leu
 1 5 10 15

Leu Phe Pro Trp Arg Thr Asp Gln Gly Cys Gly Pro Ala Thr Cys Tyr
 20 25 30

Xaa

<210> 296

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals stop translation

<400> 296

Met Val Leu Gly Leu Leu Leu Leu Xaa Phe Phe Ser Phe Ser Ser
 1 5 10 15

Ser Pro Ser Pro Ser Ser Ser Leu Leu Leu Leu Ser Ser Phe Phe Phe
 20 25 30

Gln Ser Leu Ala Leu Ser Pro Arg Leu Glu Xaa
 35 40

<210> 297

<211> 21

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals stop translation

<400> 297

Glu Trp Leu Val Phe Thr Phe Leu Leu Val Phe Gly Ser Pro Leu Gly
 1 5 10 15

Lys Gly Pro Leu Xaa
 20

<210> 298

<211> 70

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals stop translation

<400> 298

Met Ile Arg Ala Leu Ser Leu Phe Leu Leu Ile Phe Asp Ala Ala Leu
 1 5 10 15

Phe Ser Leu Ser Val Phe Val Phe Ile Gly His Leu Leu Pro Met Pro
 20 25 30

Lys Gly Thr Gly Leu His Ser Cys Ala Lys His Leu Ile Lys Ser Leu
 35 40 45

Lys Glu Asn Val Leu Pro Leu Met Asn Tyr Pro Asp Cys Lys Leu Lys
 50 55 60

Ile Asn Ile Ser Pro Xaa
 65 70

<210> 299
 <211> 75
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals stop translation

<400> 299

Met Gly Lys Leu Ile Arg Leu Ser Val Met Val Met Ser Val Arg Arg
 1 5 10 15

Leu Phe Ser Ile Tyr Trp Val Leu Ser Thr Val Pro Asp Ala Val Gly
 20 25 30

Ser Arg Gly Gly Met Glu Glu Glu Cys Ser Arg Gly Leu Cys Cys Val
 35 40 45

Ala Gly Gln His Lys Gln Ala Lys Gly Lys Arg Gln Ala Trp Asn Lys
 50 55 60

Gly Gly Glu Tyr Gln Cys Val Thr Tyr Cys Xaa
 65 70 75

<210> 300
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)

<223> Xaa equals stop translation

<400> 300

Met Pro Ala Leu Val Thr Leu Leu Leu Leu Phe Pro Leu Leu Pro Leu
1 5 10 15

Met Glu Ala Ser Cys His Val Met Arg Cys Pro Met Glu Arg Pro Thr
20 25 30

Xaa

<210> 301

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals stop translation

<400> 301

Glu Ala Pro Trp Gly Leu Leu Lys Leu Leu Leu Leu Ala Val Phe
1 5 10 15

Xaa

<210> 302

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals stop translation

<400> 302

Met Gln Gln Lys Gln Lys Lys Ala Asn Glu Lys Lys Glu Glu Pro Lys
1 5 10 15

Xaa

<210> 303

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 303

Met Gln Ser Pro Lys Phe Leu Ser Xaa Thr Pro Tyr Leu Phe Gln Thr
 1 5 10 15

Pro Phe His Leu Ile Ser Leu Pro Cys His Phe Phe Ile Phe Lys Met
 20 25 30

Pro Ile Val Tyr Val Leu Phe Lys Phe Phe Glu Arg Leu Lys Gln Pro
 35 40 45

Leu Ser Lys Ile Pro Phe Cys Leu Leu Ala Phe Lys Phe Ser Ile Arg
 50 55 60

Ala Phe Phe Leu Pro Leu Trp His Ala Ala Leu Trp Leu Ser Phe Val
 65 70 75 80

Phe Phe Ala Gly Phe Leu His Asp Val Val Val Val Ser Cys Leu Thr
 85 90 95

Leu Cys Gly Val Val Ser Cys Ser Phe Ser Ser Pro Arg Cys Leu
 100 105 110

<210> 304

<211> 12

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals stop translation

<400> 304

Met Ala Leu Leu Ile Ser Ser Leu Ile Trp Ser Xaa
 1 5 10

<210> 305

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals stop translation

<400> 305

Met Gln Met Phe Thr Val Ser Leu Leu Leu Ser Leu Leu Leu Arg Ser
 1 5 10 15

Thr Asp Gln Asn His Leu Gln Leu Leu Val Gly Arg Glu Asp His Tyr
 20 25 30

Gly Gly Xaa
 35

<210> 306
 <211> 15
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals stop translation

<400> 306
 Met Ser Glu Ser Ala Cys Ile Leu Asn Asn Gln Lys Glu Leu Xaa
 1 5 10 15

<210> 307
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals stop translation

<400> 307
 Met Asp Leu Asp Arg Val Lys Ala Glu Ala Thr Glu Asp Ile Thr Ser
 1 5 10 15

Gly Val Leu Cys Leu Leu Phe Leu Arg Leu Pro Pro Asn Ser Cys Ile
 20 25 30

Phe Pro Ser Ala Val Leu Gly Ser Thr Arg Thr Xaa
 35 40

<210> 308
 <211> 137
 <212> PRT
 <213> Homo sapiens

<400> 308
 Met Met Val Val Gly Thr Gly Thr Ser Leu Ala Leu Ser Ser Leu Leu
 1 5 10 15

Ser Leu Leu Leu Phe Ala Gly Met Gln Met Tyr Ser Arg Gln Leu Ala
 20 25 30

Ser Thr Glu Trp Leu Thr Ile Gln Gly Gly Leu Leu Gly Ser Gly Leu
 35 40 45

Phe Val Phe Ser Leu Thr Ala Phe Asn Asn Leu Glu Asn Leu Val Phe
 50 55 60

Gly Lys Gly Phe Gln Ala Lys Ile Phe Pro Glu Ile Leu Leu Cys Leu
 65 70 75 80

Leu Leu Ala Leu Phe Ala Ser Gly Leu Ile His Arg Val Cys Val Thr
 85 90 95
 Thr Cys Phe Ile Phe Ser Met Val Gly Leu Tyr Tyr Ile Asn Lys Ile
 100 105 110
 Ser Ser Thr Leu Tyr Gln Ala Ala Ala Pro Val Leu Thr Pro Ala Lys
 115 120 125
 Val Thr Gly Lys Ser Lys Lys Arg Asn
 130 135

<210> 309
 <211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals stop translation

<400> 309
 Met Phe Ile Phe Leu Phe Leu Cys Val Leu Ser Arg Lys Ile Gln Glu
 1 5 10 15
 Glu Tyr Tyr Arg Leu Phe Lys Asn Val Pro Cys Cys Phe Gly Cys Leu
 20 25 30
 Arg Xaa

<210> 310
 <211> 137
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (137)
 <223> Xaa equals stop translation

<400> 310
 Met Arg Thr Pro Gly Pro Leu Pro Val Leu Leu Leu Leu Ala Gly
 1 5 10 15
 Ala Pro Ala Ala Arg Pro Thr Pro Pro Thr Cys Tyr Ser Arg Met Arg
 20 25 30
 Ala Leu Ser Gln Glu Ile Thr Arg Asp Phe Asn Leu Leu Gln Val Ser
 35 40 45
 Glu Pro Ser Glu Pro Cys Val Arg Tyr Leu Pro Arg Leu Tyr Leu Asp
 50 55 60

Ile His Asn Tyr Cys Val Leu Asp Lys Leu Arg Asp Phe Val Ala Ser
65 70 75 80

Pro Pro Cys Trp Lys Val Ala Gln Val Asp Ser Leu Lys Asp Lys Ala
85 90 95

Arg Lys Leu Tyr Thr Ile Met Asn Ser Phe Cys Arg Arg Asp Leu Val
100 105 110

Phe Leu Leu Asp Asp Cys Asn Ala Leu Glu Tyr Pro Ile Pro Val Thr
115 120 125

Thr Val Leu Pro Asp Arg Gln Arg Xaa
130 135

<210> 311

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals stop translation

<400> 311

Met Trp Leu Leu Lys Pro Ser Ala His Ser Pro Val His Xaa Leu Val
1 5 10 15

Leu Leu Phe Pro Arg Gly Trp Ser Gln Pro Gly Thr His Lys Arg Gln
20 25 30

Ile Leu Val Asn Xaa Ala Ser Leu Pro Gly Gly Cys Leu Leu Pro Trp
35 40 45

Ile Trp Ser Gly Ala Ala Leu Arg Phe Xaa
50 55

<210> 312

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals stop translation

<400> 312

Met Ser Arg Arg Ala Glu Ala Ser Ile Phe Val Leu Pro Lys Thr Leu
1 5 10 15

Leu Phe Val Leu Phe Pro Ala Phe Pro Ser Pro Ala Val Gly Cys Pro
20 25 30

Val Pro Xaa
35

<210> 313

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 313

Met Ala Leu Glu Met Val Trp Gly Ser Val Tyr His Cys Ser Cys Tyr
1 5 10 15

Ile Thr Pro Trp Ser Lys Ile Gln Ser Phe Ser Leu Ser Leu Phe Gln
20 25 30

Phe Ile Leu Gln Glu Val Asn Ile Thr Leu Pro Glu Asn Ser Val Trp
35 40 45

Tyr Glu Arg Tyr Lys Phe Asp Ile Pro Val Phe His Leu Asn Gly Gln
50 55 60

Phe Leu Met Met His Arg Val Asn Thr Ser Lys Leu Glu Lys Gln Leu
65 70 75 80

Leu Lys Leu Glu Gln Gln Ser Thr Gly Xaa
85 90

<210> 314

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (95)

<223> Xaa equals stop translation

<400> 314

Met Phe Val Leu Phe Ser Leu Pro Lys Tyr Ala Gly Leu Arg Leu Pro
1 5 10 15

Ile Pro Gly Leu Ser Ala Leu Leu Val Phe Leu Leu Ser Leu Phe Ser

20	25	30
Arg Arg Ala Gln Val Glu Leu Thr Thr Gly Arg Glu Thr Leu Pro Lys		
35	40	45
Asn Leu Gln Gly Tyr Phe Pro Glu Phe Gly Phe Gln Val Gln Asn Phe		
50	55	60
Leu Ser Cys Lys Ile Tyr Ala Ala Ser Gln Lys Gln Pro Leu Pro Pro		
65	70	75 80
Leu Tyr Gln Leu Arg Phe Tyr Leu Lys His Met Gly Leu Pro Xaa		
85	90	95

<210> 315

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals stop translation

<400> 315

Met Ser Ser His Trp Thr Leu Lys Ile Leu Leu Val Pro Leu Phe Tyr
1 5 10 15

Leu Ser Leu Glu Phe Pro Ser Gly Phe Val Leu Cys Leu Ala Asn Asp
20 25 30

Leu Gly Tyr His Phe Ser Ser Arg Val Arg Ser Xaa
35 40

<210> 316

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 316

Met Leu Val Val Asn Ile Asn Leu Val Phe Leu Leu Phe Phe Ile Phe
1 5 10 15

Leu Cys Tyr Leu Asp Ala Cys Ile Asn Val Phe Cys Phe Tyr Xaa
20 25 30

<210> 317

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals stop translation

<400> 317

Met	Pro	Val	Leu	Pro	Gly	Arg	Thr	Thr	Ala	Leu	Leu	Ser	Leu	Thr	Leu
1				5					10					15	

Ala	Phe	Ala	Val	Pro	Cys	Ser	Gly	Val	Glu	Ala	Gly	Pro	Cys	Val	Pro
			20					25					30		

Arg	Ser	His	Gly	Cys	Ser	Ser	Trp	Glu	Ala	Ser	Val	Cys	Val	Thr	Ser
		35					40					45			

Ser	Thr	Pro	Gly	Gly	Ser	Trp	Arg	Ala	Arg	Ala	Leu	Phe	Pro	Ser	Ala
	50					55					60				

Ala	Trp	His	Arg	Xaa	Ala	Ala	Trp	Asp	Ser	Pro	Trp	Thr	Gln	Thr	Gly
65					70					75					80

Asp	Phe	Ala	Arg	Gly	Ala	Met	Gly	Gly	Ala	Gly	Ala	Leu	Pro	Gly	Gly
				85					90					95	

Cys	Val	Cys	Ile	Ser	Gly	Arg	Pro	Arg	Ala	Gln	Lys	Leu	Pro	Ala	Leu
			100					105						110	

Xaa

<210> 318

<211> 235

<212> PRT

<213> Homo sapiens

<400> 318

Met	Ser	Pro	Arg	Tyr	Pro	Gly	Gly	Pro	Arg	Pro	Pro	Leu	Arg	Ile	Pro
1				5					10					15	

Asn	Gln	Ala	Leu	Gly	Gly	Val	Pro	Gly	Ser	Gln	Pro	Leu	Leu	Pro	Ser
			20					25					30		

Gly	Met	Asp	Pro	Thr	Arg	Gln	Gln	Gly	His	Pro	Asn	Met	Gly	Gly	Pro
		35					40					45			

Met	Gln	Arg	Met	Thr	Pro	Pro	Arg	Gly	Met	Val	Pro	Leu	Gly	Pro	Gln
	50						55				60				

Asn	Tyr	Gly	Gly	Ala	Met	Arg	Pro	Pro	Leu	Asn	Ala	Leu	Gly	Gly	Pro
65					70					75					80

Gly Met Pro Gly Met Asn Met Gly Pro Gly Gly Gly Arg Pro Trp Pro
85 95

Asn Pro Thr Asn Ala Asn Ser Ile Pro Tyr Ser Ser Ala Ser Pro Gly
100 105 110

Asn Tyr Val Gly Pro Pro Gly Gly Gly Gly Pro Pro Gly Thr Pro Ile
115 120 125

Met Pro Ser Pro Ala Asp Ser Thr Asn Ser Gly Asp Asn Met Tyr Thr
130 135 140

Leu Met Asn Ala Val Pro Pro Gly Pro Asn Arg Pro Asn Phe Pro Met
145 150 155 160

Gly Pro Gly Ser Asp Gly Pro Met Gly Gly Leu Gly Gly Met Glu Ser
165 170 175

His His Met Asn Gly Ser Leu Gly Ser Gly Asp Met Asp Ser Ile Ser
180 185 190

Lys Asn Ser Pro Asn Asn Met Ser Leu Ser Asn Gln Pro Gly Thr Pro
195 200 205

Arg Asp Asp Gly Glu Met Gly Gly Asn Phe Leu Asn Pro Phe Gln Ser
210 215 220

Glu Ser Tyr Ser Pro Ser Met Thr Met Ser Val
225 230 235

<210> 319

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals stop translation

<400> 319

Met Glu Asn Phe Phe Phe Ser Phe Tyr Leu Phe Leu Ile Thr Leu Ile
1 5 10 15

Pro Asn Gly Arg Thr Leu Ser Thr Thr Ala Asp His Cys Lys Ile Pro
20 25 30

Cys Ile Xaa
35

<210> 320

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
 <222> (35)
 <223> Xaa equals stop translation

<400> 320

Met Glu Leu Trp Glu Leu Ala Leu Cys Leu Leu Val Ala Leu Ser Ala
 1 5 10 15

His Met Phe Thr Val Gln Leu Leu Ala Asp Leu Gly Phe Leu Phe Gly
 20 25 30

Gly Phe Xaa
 35

<210> 321

<211> 82

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (82)

<223> Xaa equals stop translation

<400> 321

Met Gly Ala Gly Ile Leu Ala Leu Leu Leu Pro Leu Glu Ser Val Leu
 1 5 10 15

Thr Cys Ser Trp Ile Ser Val Ser Thr Ser Glu Arg Gln Leu Trp Gln
 20 25 30

Ser Ser Gln Lys Ala Thr Ile Leu Ser Leu Lys Leu Asp Ser Cys Phe
 35 40 45

Cys Gly His Ser Gly Leu Lys Gly Lys Asn Glu Asp Thr Asp Ser Ser
 50 55 60

Val Pro Ile Ile Pro Ser Lys Thr His Thr His Leu Gly Lys His Leu
 65 70 75 80

Ile Xaa

<210> 322

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals stop translation

<400> 322

Met Phe Tyr Phe Val Leu Phe Ile Tyr Ser Ser Ser Glu Thr Trp Ser
1 5 10 15

Gly Ser Val Ala Gln Asp Gly Val His Gly Val Ile Ile Gly His Cys
20 25 30

Ser Val Glu Leu Pro Gly Ser Gly Asp Pro Pro Ala Ser Ala Xaa Leu
35 40 45

Val Ala Gly Thr Ile Gly Thr Cys Pro Thr Met Pro Gly Phe Val Tyr
50 55 60

Phe Leu Asn Asp Val Xaa Asn Xaa
65 70

<210> 323

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals stop translation

<400> 323

Met Asp Ser Thr Leu Arg Gln Gly Arg Xaa Leu Leu Thr Leu Val Pro
1 5 10 15

Ala Ser Leu Phe Ser Leu Thr Leu Gly Gly Pro Gly Pro Trp Lys Asp
20 25 30

Pro Xaa

<210> 324

<211> 115

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 324

Met	Gln	Val	Val	Gly	Ser	Trp	Pro	Gly	Arg	Val	Gly	Val	Val	Gly	Leu
1				5				10						15	

Ala	Phe	Ser	Leu	Val	Ile	Pro	Pro	Pro	Ala	Ile	Cys	Ile	Ala	Gly	Pro
			20					25					30		

Ala	Pro	Gly	Leu	Gly	Gly	Gly	Glu	Arg	Gln	Gln	Lys	Gly	Leu	Gly	Arg
		35					40					45			

Gly	Gly	Gly	Gly	Leu	Arg	Asn	Cys	Pro	Gly	Arg	Val	Gly	Met	Ala	Ala
	50					55					60				

Glu	Pro	Gly	Ala	Leu	Leu	Cys	Leu	Thr	Ser	Arg	Asp	Gly	Ser	Leu	Leu
65					70					75					80

Leu	Ser	Cys	Val	Arg	Pro	His	His	Val	Ile	Lys	Pro	Lys	Gly	Thr	Ala
				85					90					95	

Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Xaa	Xaa
			100					105						110		

Gly	Gly	Xaa
		115

<210> 325

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 325

Met Asp Leu Pro Gln Phe Ile Tyr Leu Phe Ile Phe Cys Phe Cys Cys
 1 5 10 15

Leu Ala Ile Val Asn Asn Ala Ser Ile Asn Ile His Ile Gln Val Ser
 20 25 30

Met Trp Leu Tyr Val Phe Ile Ser Leu Gly Tyr Leu His Gly Ser Arg
 35 40 45

Ile Leu Gly His Asn Ile Ile Leu Cys Leu Thr Ser Gln Arg Ile Ala
 50 55 60

Lys Arg Phe Phe Ile Val Ala Ala Ser Phe Thr Phe Pro Pro Ala Met
 65 70 75 80

Tyr Lys Asp Phe Tyr Phe Ser Ile Ser Leu His Leu Pro Thr Leu Leu
 85 90 95

Phe Xaa Xaa Xaa Phe Val Phe Ser Leu Leu Pro Pro
 100 105

<210> 326

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals stop translation

<400> 326

Met Cys Ser Pro Ser Leu Ser Ser Ser Pro Pro Pro Leu Leu Gln Val
 1 5 10 15

Phe Phe Phe Phe Phe Phe Ser Pro His Trp Ala Ala Lys Val Val Pro
 20 25 30

Gln Trp Lys Xaa Arg His Pro Gln Val Ser Ser Gln Leu Leu Leu Cys
 35 40 45

Phe Leu Arg Val Asn Cys Gln Phe Leu Phe Leu Gln Glu Ile Leu Phe
 50 55 60

Xaa

65

<210> 327

<211> 49

<212> PRT

<213> Homo sapiens

<400> 327

Met Cys Leu Ser Arg Trp Lys Ile Phe Tyr Thr Leu Leu Ile Leu Phe
1 5 10 15

Ala Phe Phe Ser Ile Thr Ser Glu Asn Glu Thr Phe Tyr Met Ile Ile
20 25 30

Ile His His Asn Pro Thr Gln Ile Thr Ala Ser Cys Ser Phe Thr Phe
35 40 45

Leu

<210> 328

<211> 293

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 328

Met Glu Arg Pro Asp Trp Glu Thr Ala Ile Gln Lys Pro Leu Cys Ser
1 5 10 15

Leu Pro Ala Gly Ser Gly Asn Ala Leu Ala Ala Ser Leu Asn His Tyr
20 25 30

Ala Gly Tyr Xaa Gln Val Thr Asn Glu Asp Leu Leu Thr Asn Cys Thr
35 40 45

Leu Leu Leu Cys Arg Arg Leu Leu Ser Pro Met Asn Leu Leu Ser Leu
50 55 60

His Thr Ala Ser Gly Leu Arg Leu Phe Ser Val Leu Ser Leu Ala Trp
65 70 75 80

Gly Phe Ile Ala Asp Val Asp Leu Glu Ser Glu Lys Tyr Arg Arg Leu
85 90 95

Gly Glu Met Arg Phe Thr Leu Gly Thr Phe Leu Arg Leu Ala Ala Leu
100 105 110

Arg Thr Tyr Arg Gly Arg Leu Ala Tyr Leu Pro Val Gly Arg Val Gly
115 120 125

Ser Lys Thr Pro Ala Ser Pro Val Val Val Gln Gln Gly Pro Val Asp
130 135 140

Ala His Leu Val Pro Leu Glu Glu Pro Val Pro Ser His Trp Thr Val
145 150 155 160

Val Pro Asp Glu Asp Phe Val Leu Val Leu Ala Leu Leu His Ser His

165	170	175
Leu Gly Ser Glu Met Phe Ala Ala Pro Met Gly Arg Cys Ala Ala Gly		
180	185	190
Val Met His Leu Phe Tyr Val Arg Ala Gly Val Ser Arg Ala Met Leu		
195	200	205
Leu Arg Leu Phe Leu Ala Met Glu Lys Gly Arg His Met Glu Tyr Glu		
210	215	220
Cys Pro Tyr Leu Val Tyr Val Pro Val Val Ala Phe Arg Leu Glu Pro		
225	230	235
Lys Asp Gly Lys Gly Val Phe Ala Val Asp Gly Glu Leu Met Val Ser		
245	250	255
Glu Ala Val Gln Gly Gln Val His Pro Asn Tyr Phe Trp Met Val Ser		
260	265	270
Gly Cys Val Glu Pro Pro Pro Ser Trp Lys Pro Gln Gln Met Pro Pro		
275	280	285
Pro Glu Glu Pro Leu		
290		

<210> 329
 <211> 68
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals stop translation

<400> 329
Met Pro Leu Glu Gly Phe Cys Leu Val Leu Asp Ile Gly Phe Leu Leu
1 5 10 15
Val Met Leu Ile Ser Leu Ala Ser Glu Cys Phe Thr Thr Cys Leu Asp
20 25 30
Ser Phe Ser Thr Thr Glu Pro Gly Cys Lys Phe Tyr Lys Leu Leu His
35 40 45
Ser Val Ser Leu Leu Asn Ile Asn Phe Asn Val Lys Ser Leu Leu Cys
50 55 60
Ser His Ile Xaa
65

<210> 330
 <211> 105
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals stop translation

<400> 330

Met Pro Leu Gln Leu Ser Gly Gln Tyr Trp Ile Ser Leu Leu Val Phe
 1 5 10 15

Leu Ser Leu Gln Pro Phe Pro Gln Ala Ala Ile Pro Cys Ala Leu Thr
 20 25 30

Asp Val Gly Gly Ser Cys Val Ile Cys His Ile Leu Leu Asn Cys Leu
 35 40 45

Cys Ile Leu Phe Thr Leu Thr Ala Pro Ser Leu Ser His Val Leu Leu
 50 55 60

Ile Lys Met Ser Leu Ser Val Cys Tyr Glu Pro Gly Ala Asp Leu Ser
 65 70 75 80

Asp Arg Ala Ala Thr Gly Asn Lys Lys Leu Thr Arg Ser Thr Cys Leu
 85 90 95

Leu Met His Ser Asn Lys Leu Cys Xaa
 100 105

<210> 331
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 331

Met Trp Gly Cys Ser Gly Leu Gly His Arg Thr Val Ser Phe Leu Leu
 1 5 10 15

Leu Leu Pro Cys Ser Phe Pro Arg Pro Cys Gly Leu Phe Gly Leu Ile
 20 25 30

Pro Ile Ser Arg Pro Cys Lys Val Glu Ala Pro Arg Pro Leu Ser Pro
 35 40 45

Thr Thr Leu Met Cys Gln Ser Pro Leu Leu
 50 55

<210> 332
 <211> 39
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals stop translation

<400> 332
 Met Leu Asn Val Leu Ser Lys Val Gln Gln Leu Val Ser Xaa Leu Gly
 1 5 10 15
 Leu Val Thr Phe Leu Leu Asn His Ser Ala Ala Gly Gly Ser Pro Gln
 20 25 30
 His Arg Trp Leu Leu Leu Xaa
 35

<210> 333
 <211> 72
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (58)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (72)
 <223> Xaa equals stop translation

<400> 333
 Met Lys Ala Ile Ala Arg Ala Cys Leu Leu Leu Ser Leu Leu Val Leu
 1 5 10 15
 Pro His Val Val Ser Glu His Leu Phe Trp His His Asn Pro Arg His
 20 25 30
 Pro Val Ile Trp Pro Phe Pro Pro Phe His Leu Ile Ser Cys Ser Val
 35 40 45
 Ser Ala Ser Thr Trp His Leu Gly Glu Xaa Leu Leu Leu Leu Val Pro
 50 55 60
 Ile Ala Pro Ser Val Trp Ser Xaa
 65 70

<210> 334
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals stop translation

<400> 334

Met Glu Gln Gly Gly Gly Pro Arg Leu Leu Leu Leu Ile Pro Gly Leu
 1 5 10 15

Leu His Asn Thr Tyr Leu Ala Arg Pro Gly Asp Phe Pro Ala Gln Gly
 20 25 30

Thr Thr Glu Asn Thr Glu Cys Gln Gly Ser Pro Ser Pro Ile Ser His
 35 40 45

Leu Gly Lys Val Arg Ser Leu Asp Ser Asn Thr Gln Ile Xaa
 50 55 60

<210> 335

<211> 286

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (286)

<223> Xaa equals stop translation

<400> 335

Met Pro Leu Leu Phe Phe Ser Val Ser Thr Leu Phe Ser Gly Ser Val
 1 5 10 15

Thr Leu Gln Gln Arg Gly Met Phe Leu Pro Trp Thr Gly Thr Gly Glu
 20 25 30

Gln Val Leu Ala Leu Leu Trp Pro Arg Phe Glu Leu Ile Leu Glu Met
 35 40 45

Asn Val Gln Ser Val Arg Ser Thr Asp Pro Gln Arg Leu Gly Gly Leu
 50 55 60

Asp Thr Arg Pro His Tyr Ile Thr Arg Arg Tyr Ala Glu Phe Ser Ser
 65 70 75 80

Ala Leu Val Ser Ile Asn Gln Thr Ile Pro Asn Glu Arg Thr Met Gln
 85 90 95

Leu Leu Gly Gln Leu Gln Val Glu Val Glu Asn Phe Val Leu Arg Val
 100 105 110

Ala Ala Glu Phe Ser Ser Arg Lys Glu Gln Leu Val Phe Leu Ile Asn
 115 120 125

Asn Tyr Asp Met Met Leu Gly Val Leu Met Glu Arg Ala Ala Asp Asp
 130 135 140

Ser Lys Glu Val Glu Ser Phe Gln Gln Leu Leu Asn Ala Arg Thr Gln
 145 150 155 160

Glu Phe Ile Glu Glu Leu Leu Ser Pro Pro Phe Gly Gly Leu Val Ala
 165 170 175

Phe Val Lys Glu Ala Glu Ala Leu Ile Glu Arg Gly Gln Ala Glu Arg
180 185 190

Leu Arg Gly Glu Glu Ala Arg Val Thr Gln Leu Ile Arg Gly Phe Gly
195 200 205

Ser Ser Trp Lys Ser Ser Val Glu Ser Leu Ser Gln Asp Val Met Arg
210 215 220

Ser Phe Thr Asn Phe Arg Asn Gly Thr Ser Ile Ile Gln Gly Ala Leu
225 230 235 240

Thr Gln Leu Ile Gln Leu Tyr His Arg Phe His Arg Val Leu Ser Gln
245 250 255

Pro Gln Leu Arg Ala Leu Pro Ala Arg Ala Glu Leu Ile Asn Ile His
260 265 270

His Leu Met Val Glu Leu Lys Lys His Lys Pro Asn Phe Xaa
275 280 285

<210> 336

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (55)

<223> Xaa equals stop translation

<400> 336

Met Phe Arg Ala Leu Arg Asp Leu Leu Thr His Tyr Pro Gln Gln Ile
1 5 10 15

Leu Leu Gln Val Leu Val Val Met Tyr Gln Val Leu Gln Val Trp Glu
20 25 30

Leu Pro Trp Pro Glu Leu Ile His Leu Gln Gly Ile Val Pro Thr Asp
35 40 45

Gln Leu His Leu Lys Gln Xaa
50 55

<210> 337

<211> 59

<212> PRT

<213> Homo sapiens

<400> 337

Met Ser Tyr Pro Leu Phe Leu Phe Met Ser Cys Met Val Ile Ser Leu
1 5 10 15

Ser Pro Asn Ala Gly Ser Gln Thr Ser Thr Val Arg Cys Leu Ser Asp
20 25 30

Leu Val Thr Phe Thr Leu Ile Lys Gly Ser Pro Val His Gln Thr Pro
 35 40 45

Tyr Leu Glu Ser Ser Ile Asn Cys Ile Thr Phe
 50 55

<210> 338
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (120)
 <223> Xaa equals stop translation

<400> 338
 Met His Pro Ala Arg Lys Leu Leu Ser Leu Leu Phe Leu Ile Leu Met
 1 5 10 15

Gly Thr Glu Leu Thr Gln Asp Ser Ala Ala Pro Asp Ser Leu Leu Arg
 20 25 30

Ser Ser Lys Gly Ser Thr Arg Gly Ser Leu Ala Ala Ile Val Ile Trp
 35 40 45

Arg Gly Lys Ser Glu Ser Arg Ile Ala Lys Thr Pro Gly Ile Phe Arg
 50 55 60

Gly Gly Gly Thr Leu Val Leu Pro Pro Thr His Thr Pro Glu Trp Leu
 65 70 75 80

Ile Leu Pro Leu Gly Ile Thr Leu Pro Leu Gly Ala Pro Glu Thr Gly
 85 90 95

Gly Gly Asp Cys Ala Ala Glu Thr Trp Lys Gly Ser Gln Arg Ala Gly
 100 105 110

Gln Leu Cys Ala Leu Leu Ala Xaa
 115 120

<210> 339
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 339
 Met Pro Ser Phe Phe Leu Ser Leu Ile Gln Thr Asn Thr Leu Gly Ser
 1 5 10 15

Ala Ser Phe Leu Leu Phe Leu Thr Leu His Ile His Leu Ser Pro Asn

20

25

30

Xaa Val His Ser Ala Ser

35

<210> 340

<211> 46

<212> PRT

<213> Homo sapiens

<400> 340

Met Phe Ser Arg Thr Ser Asn Phe Trp Thr Phe Phe Phe Gln Phe Leu

1

5

10

15

Ile Phe Lys Val Phe Leu Val Leu Lys Asn Leu Phe Thr Ser Gln Lys

20

25

30

Ile Tyr Lys Ile Tyr Ser Glu Lys Pro Lys Lys Lys Lys Lys

35

40

45

<210> 341

<211> 18

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals stop translation

<400> 341

Met Gly Leu Leu Ile Phe Met Leu Leu Ile Gly Ile His Ser Gln Cys

1

5

10

15

Ser Xaa

<210> 342

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (87)

<223> Xaa equals stop translation

<400> 342

Met Val Leu Phe Cys Phe Val Leu Phe Cys Phe Val Phe Glu Met Asp

1

5

10

15

Ser Ser Ser Val Thr Gln Ala Gly Val Gln Trp Cys Asp Leu Gly Ser

20

25

30

Leu Gln Ala Pro Pro Pro Gly Phe Ser Pro Phe Ser Cys Leu Ser Leu

35

40

45

Pro Ser Ser Trp Asp Tyr Arg Arg Pro Pro Pro Arg Pro Ala Asn Phe
 50 55 60

Leu Tyr Phe Leu Val Glu Thr Gly Phe His His Val Ser Gln Asp Gly
 65 70 75 80

Leu Asp Leu Leu Thr Ser Xaa
 85

<210> 343

<211> 538

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (538)

<223> Xaa equals stop translation

<400> 343

Met Ser Thr Lys Lys Leu Cys Ile Val Gly Gly Ile Leu Leu Val Phe
 1 5 10 15

Gln Ile Ile Ala Phe Leu Val Gly Gly Leu Ile Ala Pro Gly Pro Thr
 20 25 30

Thr Ala Val Ser Tyr Met Ser Val Lys Cys Val Asp Ala Arg Lys Asn
 35 40 45

His His Lys Thr Lys Trp Phe Val Pro Trp Gly Pro Asn His Cys Asp
 50 55 60

Lys Ile Arg Asp Ile Glu Glu Ala Ile Pro Arg Glu Ile Glu Ala Asn
 65 70 75 80

Asp Ile Val Phe Ser Val His Ile Pro Leu Pro His Met Glu Met Ser
 85 90 95

Pro Trp Phe Gln Phe Met Leu Phe Ile Leu Gln Leu Asp Ile Ala Phe
 100 105 110

Lys Leu Asn Asn Gln Ile Arg Glu Asn Ala Glu Val Ser Met Asp Val
 115 120 125

Ser Leu Ala Tyr Arg Asp Asp Ala Phe Ala Glu Trp Thr Glu Met Ala
 130 135 140

His Glu Arg Val Pro Arg Lys Leu Lys Cys Thr Phe Thr Ser Pro Lys
 145 150 155 160

Thr Pro Glu His Glu Gly Arg Tyr Tyr Glu Cys Asp Val Leu Pro Phe
 165 170 175

Met Glu Ile Gly Ser Val Ala His Lys Phe Tyr Leu Leu Asn Ile Arg
 180 185 190

Leu Pro Val Asn Glu Lys Lys Lys Ile Asn Val Gly Ile Gly Glu Ile
 195 200 205
 Lys Asp Ile Arg Leu Val Gly Ile His Gln Asn Gly Gly Phe Thr Lys
 210 215 220
 Val Trp Phe Ala Met Lys Thr Phe Leu Thr Pro Ser Ile Phe Ile Ile
 225 230 235 240
 Met Val Trp Tyr Trp Arg Arg Ile Thr Met Met Ser Arg Pro Pro Val
 245 250 255
 Leu Leu Glu Lys Val Ile Phe Ala Leu Gly Ile Ser Met Thr Phe Ile
 260 265 270
 Asn Ile Pro Val Glu Trp Phe Ser Ile Gly Phe Asp Trp Thr Trp Met
 275 280 285
 Leu Leu Phe Gly Asp Ile Arg Gln Gly Ile Phe Tyr Ala Met Leu Leu
 290 295 300
 Ser Phe Trp Ile Ile Phe Cys Gly Glu His Met Met Asp Gln His Glu
 305 310 315 320
 Arg Asn His Ile Ala Gly Tyr Trp Lys Gln Val Gly Pro Ile Ala Val
 325 330 335
 Gly Ser Phe Cys Leu Phe Ile Phe Asp Met Cys Glu Arg Gly Val Gln
 340 345 350
 Leu Thr Asn Pro Phe Tyr Ser Ile Trp Thr Thr Asp Ile Gly Thr Glu
 355 360 365
 Leu Ala Met Ala Phe Ile Ile Val Ala Gly Ile Cys Leu Cys Leu Tyr
 370 375 380
 Phe Leu Phe Leu Cys Phe Met Val Phe Gln Val Phe Arg Asn Ile Ser
 385 390 395 400
 Gly Lys Gln Ser Ser Leu Pro Ala Met Ser Lys Val Arg Arg Leu His
 405 410 415
 Tyr Glu Gly Leu Ile Phe Arg Phe Lys Phe Leu Met Leu Ile Thr Leu
 420 425 430
 Ala Cys Ala Ala Met Thr Val Ile Phe Phe Ile Val Ser Gln Val Thr
 435 440 445
 Glu Gly His Trp Lys Trp Gly Gly Val Thr Val Gln Val Asn Ser Ala
 450 455 460
 Phe Phe Thr Gly Ile Tyr Gly Met Trp Asn Leu Tyr Val Phe Ala Leu
 465 470 475 480
 Met Phe Leu Tyr Ala Pro Ser His Lys Asn Tyr Gly Glu Asp Gln Ser
 485 490 495

Asn Gly Met Gln Leu Pro Cys Lys Ser Arg Glu Asp Cys Ala Leu Phe
500 505 510

Val Ser Glu Leu Tyr Gln Glu Leu Phe Ser Ala Ser Lys Tyr Ser Phe
515 520 525

Ile Asn Asp Asn Ala Ala Ser Gly Ile Xaa
530 535

<210> 344

<211> 202

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (202)

<223> Xaa equals stop translation

<400> 344

Met Gly Ile Ala Leu Ala Val Leu Gly Trp Leu Ala Val Met Leu Cys
1 5 10 15

Cys Ala Leu Pro Met Trp Arg Val Thr Ala Phe Ile Gly Ser Asn Ile
20 25 30

Val Thr Ser Gln Thr Ile Trp Glu Gly Leu Trp Met Asn Cys Val Val
35 40 45

Gln Ser Thr Gly Gln Met Gln Cys Lys Val Tyr Asp Ser Leu Leu Ala
50 55 60

Leu Pro Gln Asp Leu Gln Ala Ala Arg Ala Leu Val Ile Ile Ser Ile
65 70 75 80

Ile Val Ala Ala Leu Gly Val Leu Leu Ser Val Val Gly Gly Lys Cys
85 90 95

Thr Asn Cys Leu Glu Asp Glu Ser Ala Lys Ala Lys Thr Met Ile Val
100 105 110

Ala Gly Val Val Phe Leu Leu Ala Gly Leu Met Val Ile Val Pro Val
115 120 125

Ser Trp Thr Ala His Asn Ile Ile Gln Asp Phe Tyr Asn Pro Leu Val
130 135 140

Ala Ser Gly Gln Lys Arg Glu Met Gly Ala Ser Leu Tyr Val Gly Trp
145 150 155 160

Ala Ala Ser Gly Leu Leu Leu Gly Gly Gly Leu Leu Cys Cys Asn
165 170 175

Cys Pro Pro Arg Thr Asp Lys Pro Tyr Ser Ala Lys Tyr Ser Ala Ala
180 185 190

Arg Ser Ala Ala Ala Ser Asn Tyr Val Xaa

195

200

<210> 345
 <211> 122
 <212> PRT
 <213> Homo sapiens

<400> 345

Met	Val	Ser	Ile	Ser	Val	Val	Leu	Arg	Val	Ser	Leu	Pro	Thr	Leu	Glu
1				5					10					15	
Pro	Val	Pro	Val	Ala	Gly	Arg	Ser	Ile	Trp	Ile	Ser	Thr	Thr	Ser	Pro
			20					25					30		
Ser	Met	Ile	Ser	Val	Ser	Ser	Leu	Met	Arg	Thr	Pro	Met	Asp	Arg	Arg
		35					40					45			
Lys	Ala	Cys	Val	Ser	Ala	Ser	Val	Leu	Leu	Ile	Ser	Arg	Glu	Lys	Ile
	50					55					60				
Ser	Leu	Pro	Ala	Met	Ala	Val	Asn	Gly	Val	Ser	Gly	Pro	Arg	Ala	Cys
	65				70					75					80
Ala	Met	Pro	Met	Ala	Met	Ala	Val	Phe	Pro	Val	Pro	Gly	Trp	Pro	Ala
				85					90					95	
Ile	Arg	Thr	Ala	Arg	Pro	Ala	Ile	Phe	Pro	Ser	Arg	Ile	Ile	Ser	Ser
			100					105					110		
Thr	Thr	Pro	Ala	Ala	Arg	Arg	Ala	Ala	Ser						
		115					120								

<210> 346
 <211> 260
 <212> PRT
 <213> Homo sapiens

<400> 346

Met	Leu	Ala	Leu	Leu	Gly	Leu	Ser	Gln	Ala	Leu	Asn	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Lys	Gly	Leu	Ala	Pro	Ala	Glu	Ile	Ser	Ala	Val	Cys	Glu	Lys	Gly
			20					25					30		
Asn	Phe	Asn	Val	Ala	His	Gly	Leu	Ala	Trp	Ser	Tyr	Tyr	Ile	Gly	Tyr
		35					40					45			
Leu	Arg	Leu	Ile	Leu	Pro	Glu	Leu	Gln	Ala	Arg	Ile	Arg	Thr	Tyr	Asn
	50					55					60				
Gln	His	Tyr	Asn	Asn	Leu	Leu	Arg	Gly	Ala	Val	Ser	Gln	Arg	Leu	Tyr
	65				70					75				80	
Ile	Leu	Leu	Pro	Leu	Asp	Cys	Gly	Val	Pro	Asp	Asn	Leu	Ser	Met	Ala
				85					90					95	

Asp Pro Asn Ile Arg Phe Leu Asp Lys Leu Pro Gln Gln Thr Gly Asp
 100 105 110
 Arg Ala Gly Ile Lys Asp Arg Val Tyr Ser Asn Ser Ile Tyr Glu Leu
 115 120 125
 Leu Glu Asn Gly Gln Arg Ala Gly Thr Cys Val Leu Glu Tyr Ala Thr
 130 135 140
 Pro Leu Gln Thr Leu Phe Ala Met Ser Gln Tyr Ser Gln Ala Gly Phe
 145 150 155 160
 Ser Gly Glu Asp Arg Leu Glu Gln Ala Lys Leu Phe Cys Arg Thr Leu
 165 170 175
 Glu Asp Ile Leu Ala Asp Ala Pro Glu Ser Gln Asn Asn Cys Arg Leu
 180 185 190
 Ile Ala Tyr Gln Glu Pro Ala Asp Asp Ser Ser Phe Ser Leu Ser Gln
 195 200 205
 Glu Val Leu Arg His Leu Arg Gln Glu Glu Lys Glu Glu Val Thr Val
 210 215 220
 Gly Ser Leu Lys Thr Ser Ala Val Pro Ser Thr Ser Thr Met Ser Gln
 225 230 235 240
 Glu Pro Glu Leu Leu Ile Ser Gly Met Glu Lys Pro Leu Pro Leu Arg
 245 250 255
 Thr Asp Phe Ser
 260

<210> 347
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals stop translation

<400> 347
 Met Thr Pro Gln Lys Pro Ala Leu Ala Val Leu Leu Leu Glu Val Pro
 1 5 10 15
 Leu Leu Leu Thr Leu Ser Val Leu Lys Lys Arg Cys Leu Val Thr Cys
 20 25 30
 Glu Pro Thr Ser Arg Phe Val Ser Cys Asp Leu Pro Leu Ser Val Xaa
 35 40 45

<210> 348
 <211> 334
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (288)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (334)
 <223> Xaa equals stop translation

<400> 348

Met	Ala	Ala	Ala	Ala	Trp	Leu	Gln	Val	Leu	Pro	Val	Ile	Leu	Leu	Leu	1	5	10	15
Leu	Gly	Ala	His	Pro	Ser	Pro	Leu	Ser	Phe	Phe	Ser	Ala	Gly	Pro	Ala	20	25	30	
Thr	Val	Ala	Ala	Ala	Asp	Arg	Ser	Lys	Trp	His	Ile	Pro	Ile	Pro	Ser	35	40	45	
Gly	Lys	Asn	Tyr	Phe	Ser	Phe	Gly	Lys	Ile	Leu	Phe	Arg	Asn	Thr	Thr	50	55	60	
Ile	Phe	Leu	Lys	Phe	Asp	Gly	Glu	Pro	Cys	Asp	Leu	Ser	Leu	Asn	Ile	65	70	75	80
Thr	Trp	Tyr	Leu	Lys	Ser	Ala	Asp	Cys	Tyr	Asn	Glu	Ile	Tyr	Asn	Phe	85	90	95	
Lys	Ala	Glu	Glu	Val	Glu	Leu	Tyr	Leu	Glu	Lys	Leu	Lys	Glu	Lys	Arg	100	105	110	
Gly	Leu	Ser	Gly	Lys	Tyr	Gln	Thr	Ser	Ser	Lys	Leu	Phe	Gln	Asn	Cys	115	120	125	
Ser	Glu	Leu	Phe	Lys	Thr	Gln	Thr	Phe	Ser	Gly	Asp	Phe	Met	His	Arg	130	135	140	
Leu	Pro	Leu	Leu	Gly	Glu	Lys	Gln	Glu	Ala	Lys	Glu	Asn	Gly	Thr	Asn	145	150	155	160
Leu	Thr	Phe	Ile	Gly	Asp	Lys	Thr	Ala	Met	His	Glu	Pro	Leu	Gln	Thr	165	170	175	
Trp	Gln	Asp	Ala	Pro	Tyr	Ile	Phe	Ile	Val	His	Ile	Gly	Ile	Ser	Ser	180	185	190	
Ser	Lys	Glu	Ser	Ser	Lys	Glu	Asn	Ser	Leu	Ser	Asn	Leu	Phe	Thr	Met	195	200	205	
Thr	Val	Glu	Val	Lys	Gly	Pro	Tyr	Glu	Tyr	Leu	Thr	Leu	Glu	Asp	Tyr	210	215	220	

Pro Leu Met Ile Phe Phe Met Val Met Cys Ile Val Tyr Val Leu Phe
225 230 235 240

Gly Val Leu Trp Leu Ala Trp Ser Ala Cys Tyr Trp Arg Asp Leu Leu
245 250 255

Arg Ile Gln Phe Trp Ile Gly Ala Val Ile Phe Leu Gly Met Leu Glu
260 265 270

Lys Ala Val Phe Tyr Ala Glu Phe Gln Asn Ile Arg Tyr Lys Gly Xaa
275 280 285

Ser Val Gln Gly Ala Leu Ile Leu Ala Glu Leu Leu Ser Ala Val Lys
290 295 300

Arg Ser Leu Ala Arg Thr Leu Val Ile Ile Val Ser Leu Gly Tyr Gly
305 310 315 320

Ile Val Lys Pro Arg Leu Glu Ser Leu Phe Ile Arg Leu Xaa
325 330

<210> 349

<211> 200

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (193)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (200)

<223> Xaa equals stop translation

<400> 349

Met Val Leu Xaa Val Val Thr Leu Gly Leu Ala Leu Phe Thr Leu Cys
1 5 10 15

Gly Lys Phe Lys Arg Trp Lys Leu Asn Gly Ala Phe Leu Leu Ile Thr
20 25 30

Ala Phe Leu Ser Val Leu Ile Trp Val Ala Trp Met Thr Met Tyr Leu
35 40 45

Phe Gly Asn Val Lys Leu Gln Gln Gly Asp Ala Trp Asn Asp Pro Thr
50 55 60

Leu Ala Ile Thr Leu Ala Ala Ser Ala Gly Ser Ser Ser Ser Thr
65 70 75 80

Pro Ser Leu Arg Ser Thr Ala Pro Phe Cys Gln Pro Cys Arg Arg Thr
85 90 95

Arg Pro Thr Thr Ser Thr Arg Arg Ser Pro Gly Cys Gly Arg Arg Pro
100 105 110

Ser Arg Arg Thr Cys Ser Cys Arg Gly Pro Ile Trp Arg Thr Arg Pro
115 120 125

Ser Pro Trp Met Asn Thr Met Gln Leu Ser Glu Gln Gln Asp Phe Pro
130 135 140

Thr Ala Ala Trp Glu Lys Asp Pro Val Ala Ala Trp Gly Lys Asp Pro
145 150 155 160

Ala Leu Arg Leu Glu Ala Thr Cys Ile Ser Gln Leu Arg Trp Pro Ser
165 170 175

Cys Ser Thr Val Gly Pro Ser Gln Leu Leu Arg Gln Val Thr Gln Glu
180 185 190

Xaa Thr Phe Gly Glu Arg Leu Xaa
195 200

<210> 350

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals stop translation

<400> 350

Met Leu Leu His His Gln Leu Leu Ile Val Thr Leu His Leu Val Leu
1 5 10 15

Leu Leu Ala Thr Leu Leu Val Xaa
20

<210> 351

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (143)

<223> Xaa equals stop translation

<400> 351

Met Thr Lys Ala Leu Leu Ile Tyr Leu Val Ser Ser Phe Leu Ala Leu
 1 5 10 15

Asn Gln Ala Ser Leu Ile Ser Arg Cys Asp Leu Ala Gln Val Leu Gln
 20 25 30

Leu Glu Asp Leu Asp Gly Phe Glu Gly Tyr Ser Leu Ser Asp Trp Leu
 35 40 45

Cys Leu Ala Phe Val Glu Ser Lys Phe Asn Ile Ser Lys Ile Asn Glu
 50 55 60

Asn Ala Asp Gly Ser Phe Asp Tyr Gly Leu Phe Gln Ile Asn Ser His
 65 70 75 80

Tyr Trp Cys Asn Xaa Tyr Lys Ser Tyr Ser Glu Asn Leu Cys His Val
 85 90 95

Asp Cys Gln Asp Leu Leu Asn Pro Asn Leu Leu Ala Gly Ile His Cys
 100 105 110

Ala Lys Arg Ile Val Ser Gly Ala Arg Gly Met Asn Asn Trp Val Arg
 115 120 125

Met Glu Xaa Cys Thr Val Gln Ala Gly His Ser Ser Thr Gly Xaa
 130 135 140

<210> 352

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (95)

<223> Xaa equals stop translation

<400> 352

Met Leu Val Ile Ala Gly Gly Ile Leu Ala Ala Leu Leu Leu Ile
 1 5 10 15

Val Val Val Leu Cys Leu Tyr Phe Lys Ile His Asn Ala Leu Lys Ala
 20 25 30

Ala Lys Glu Pro Glu Ala Val Ala Val Lys Asn His Asn Pro Asp Lys
 35 40 45

Val Trp Trp Ala Lys Asn Ser Gln Ala Lys Thr Ile Ala Thr Glu Ser
 50 55 60

Cys Pro Ala Leu Gln Cys Cys Glu Gly Tyr Arg Met Cys Ala Ser Phe

65	70	75	80
Asp Ser Leu Pro Pro Cys Cys Cys Asp Ile Asn Glu Gly Leu Xaa			
85	90	95	

<210> 353

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals stop translation

<400> 353

Met Leu Leu Lys Ser Asn Ile Leu Met Leu Asn Leu Phe Ala Ala Asn
1 5 10 15

Val Gly Ala Asn Phe Ala Leu Thr Val Glu Lys Ile Gly Met Ile Leu
20 25 30

Leu Asn Val Ser Gly Xaa
35

<210> 354

<211> 39

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals stop translation

<400> 354

Met Leu Val Val Ala Phe Gly Leu Leu Val Leu Tyr Ile Leu Leu Ala
1 5 10 15

Ser Ser Trp Lys Arg Pro Glu Pro Gly Ile Leu Thr Asp Arg Gln Pro
20 25 30

Leu Leu His Asp Gly Glu Xaa
35

<210> 355

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals stop translation

<400> 355

Ser Asp Pro Leu Ala Ser Ala Ser Gln Asn Ala Gly Ile Val Ser Val
 1 5 10 15

Gly Leu Cys Thr Arg Pro Gly Pro Gln Phe Lys Asn Ala Gln Pro Pro
 20 25 30

Phe Pro Xaa Gln Lys Ala Pro Arg Cys Leu Trp Glu Asn Gln Pro Pro
 35 40 45

Pro Trp Arg Lys Ala Trp Asp Leu Pro Ser His Leu Gly Arg Arg Gly
 50 55 60

Ile Cys Gly Lys Ser Phe Xaa
 65 70

<210> 356

<211> 227

<212> PRT

<213> Homo sapiens

<400> 356

Met Ala Asp Leu Leu Gly Ser Ile Leu Ser Ser Met Glu Lys Pro Pro
 1 5 10 15

Ser Leu Gly Asp Gln Glu Thr Arg Arg Lys Ala Arg Glu Gln Ala Ala
 20 25 30

Arg Leu Lys Lys Leu Gln Glu Gln Glu Lys Gln Gln Lys Val Glu Phe
 35 40 45

Arg Lys Arg Met Glu Lys Glu Val Ser Asp Phe Ile Gln Asp Ser Gly
 50 55 60

Gln Ile Lys Lys Lys Phe Gln Pro Met Asn Lys Ile Glu Arg Ser Ile
 65 70 75 80

Leu His Asp Val Val Glu Val Ala Gly Leu Thr Ser Phe Ser Phe Gly
 85 90 95

Glu Asp Asp Asp Cys Arg Tyr Val Met Ile Phe Lys Lys Glu Phe Ala
 100 105 110

Pro Ser Asp Glu Glu Leu Asp Ser Tyr Arg Arg Gly Glu Glu Trp Asp
 115 120 125

Pro Gln Lys Ala Glu Glu Lys Arg Lys Leu Lys Glu Leu Ala Gln Arg
 130 135 140

Gln Glu Glu Glu Ala Ala Gln Gln Gly Pro Val Val Val Ser Pro Ala
 145 150 155 160

Ser Asp Tyr Lys Asp Lys Tyr Ser His Leu Ile Gly Lys Gly Ala Ala
 165 170 175

Lys Asp Ala Ala His Met Leu Gln Ala Asn Lys Thr Tyr Gly Cys Val
 180 185 190

Pro Val Ala Asn Lys Arg Asp Thr Arg Ser Ile Glu Glu Ala Met Asn
 195 200 205

Glu Ile Arg Ala Lys Lys Arg Leu Arg Gln Ser Gly Glu Glu Leu Pro
 210 215 220

Pro Thr Ser
 225

<210> 357

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (90)

<223> Xaa equals stop translation

<400> 357

Met Trp Asp Trp Asp Trp Ser Ala Pro Trp Ser Trp Pro Leu Trp Leu
1 5 10 15

Ser Leu Ala Leu Val Cys Leu Ser Ala Gly Ala Lys Gly His Arg Ala
20 25 30

Ser Glu Ala Gly His Ala Arg Ala Leu Thr Cys Glu Met Gly Ser Glu
35 40 45

Phe Xaa Thr Ala Xaa Gly Leu Val Leu Gly Xaa Xaa Xaa Trp Thr Xaa
50 55 60

Xaa Asn Gly Ser Ala Gly Pro Glu Arg Arg Gly Trp Arg Pro Ala Ala
65 70 75 80

Phe Leu Ala Val Phe Leu Leu Gly Asp Xaa
85 90

<210> 358

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 358

Met Phe Gly Pro Thr Phe His Ser Leu Val Leu Val Pro Pro Trp Pro
1 5 10 15

Asn Leu Ser Leu Leu His Phe Thr Ser Pro Val Gly Gln His Ser Ser
20 25 30

Phe Leu Pro Thr Ser Leu Arg Leu Xaa Lys Lys Lys Lys Lys Lys Lys
35 40 45

<210> 359

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals stop translation

<400> 359

Met Cys Ser Lys Asn Gly Phe Leu Leu Ala Trp Ser Trp Asn Ser Pro
 1 5 10 15
 Trp Leu Pro Gln Ala Ser Leu Ala His Gly Cys Trp Gly Arg Trp Met
 20 25 30
 Ser Asp Leu Val Gly Cys Ser Arg Glu Asn Lys Cys Ala Leu Arg Asp
 35 40 45
 His Ser Glu Arg Val Gln Gly Xaa
 50 55

<210> 360
 <211> 222
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (222)
 <223> Xaa equals stop translation

<400> 360
 Ser Pro Leu Xaa Phe Cys Val Val Leu Leu Leu Gln Ala Ala Arg Gly
 1 5 10 15
 Tyr Val Val Arg Lys Pro Ala Gln Ser Arg Leu Asp Asp Asp Pro Pro
 20 25 30
 Pro Ser Thr Leu Leu Lys Asp Tyr Gln Asn Val Pro Gly Ile Glu Lys
 35 40 45
 Val Asp Asp Val Val Lys Arg Leu Leu Ser Leu Glu Met Ala Asn Lys
 50 55 60
 Lys Glu Met Leu Lys Ile Lys Gln Glu Gln Phe Met Lys Lys Ile Val
 65 70 75 80
 Ala Asn Pro Glu Asp Thr Arg Ser Leu Glu Ala Arg Ile Ile Ala Leu
 85 90 95
 Ser Val Lys Ile Arg Ser Tyr Glu Glu His Leu Glu Lys His Arg Lys
 100 105 110
 Asp Lys Ala His Lys Arg Tyr Leu Leu Met Ser Ile Asp Gln Arg Lys
 115 120 125
 Lys Met Leu Lys Asn Leu Arg Asn Thr Asn Tyr Asp Val Phe Glu Lys
 130 135 140
 Ile Cys Trp Gly Leu Gly Ile Glu Tyr Thr Phe Pro Pro Leu Tyr Tyr
 145 150 155 160

Arg Arg Ala His Arg Arg Phe Val Thr Lys Lys Ala Leu Cys Ile Arg
 165 170 175

Val Phe Gln Glu Thr Gln Lys Leu Lys Lys Arg Arg Arg Ala Leu Lys
 180 185 190

Ala Ala Ala Ala Ala Gln Lys Gln Ala Lys Arg Arg Asn Pro Asp Ser
 195 200 205

Pro Ala Lys Ala Ile Pro Lys Thr Leu Lys Asp Ser Gln Xaa
 210 215 220

<210> 361

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals stop translation

<400> 361

Met Gly Ala Pro Ala Ala Ser Leu Leu Leu Leu Leu Leu Phe Ala
 1 5 10 15

Cys Cys Trp Ala Pro Gly Gly Ala Asn Leu Ser Gln Asp Asp Ser Gln
 20 25 30

Pro Trp Thr Ser Asp Glu Thr Val Val Ala Gly Gly Thr Val Val Leu
 35 40 45

Lys Cys Gln Val Lys Asp His Glu Asp Ser Ser Leu Gln Trp Ser Xaa
 50 55 60

<210> 362

<211> 154

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (125)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (135)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (144)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (154)
 <223> Xaa equals stop translation

<400> 362

Met Val Ala Pro Val Trp Tyr Leu Val Ala Ala Ala Leu Leu Val Gly
 1 5 10 15

Phe Ile Leu Phe Leu Thr Arg Ser Arg Gly Arg Ala Ala Ser Ala Gly
 20 25 30

Gln Glu Pro Leu His Asn Glu Glu Leu Ala Gly Ala Gly Arg Val Ala
 35 40 45

Gln Pro Gly Pro Leu Glu Pro Glu Glu Pro Arg Ala Gly Gly Arg Pro
 50 55 60

Arg Arg Arg Arg Asp Leu Gly Ser Arg Leu Gln Ala Gln Arg Arg Ala
 65 70 75 80

Gln Arg Val Ala Trp Ala Glu Ala Asp Glu Asn Glu Glu Glu Ala Val
 85 90 95

Ile Leu Ala Gln Glu Glu Glu Gly Val Glu Lys Pro Ala Glu Xaa His
 100 105 110

Leu Ser Gly Lys Ile Gly Ala Lys Lys Leu Arg Xaa Xaa Glu Glu Lys
 115 120 125

Gln Ala Arg Lys Ala Gln Xaa Glu Ala Glu Glu Ala Glu Arg Glu Xaa
 130 135 140

Arg Lys Arg Leu Glu Ser Gln Arg Glu Xaa
 145 150

<210> 363
 <211> 17
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (17)

<223> Xaa equals stop translation

<400> 363

Met Gln Lys Cys Met Leu Ser Ala Leu Val Phe His Ile Gln Trp Ser
 1 5 10 15

Xaa

<210> 364

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals stop translation

<400> 364

Met Leu Val Cys Ser Phe Leu Phe Leu Xaa
 1 5 10

<210> 365

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals stop translation

<400> 365

Val Ile Glu Leu Cys Val Ser Leu Arg Ser Leu Asn Phe Xaa
 1 5 10

<210> 366

<211> 18

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals stop translation

<400> 366

Met	Cys	Glu	Phe	Xaa	Xaa	Xaa	Ile	Met	Xaa	Leu	Ala	Gly	Tyr	Phe	Ala
1				5					10					15	

Cys Xaa

<210> 367

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals stop translation

<400> 367

Met	Val	Gly	Gly	Tyr	Val	Ser	Ser	Phe	Ser	Phe	Pro	Pro	Val	Ser	Ser
1				5				10						15	

Ser	Leu	Leu	Leu	Pro	Ala	Ser	Phe	Ala	Phe	Pro	Phe	Leu	Pro	Gly	Thr
			20				25						30		

Pro	Cys	Pro	Phe	Leu	Tyr	Phe	Leu	Pro	Ser	Pro	Phe	Ser	Pro	Leu	Pro
	35						40					45			

Leu	Ser	Leu	Thr	Arg	Ser	Asn	Ser	Phe	Leu	Leu	Asn	Gly	Xaa
	50					55					60		

<210> 368

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals stop translation

<400> 368

Glu	Lys	Lys	Ser	Met	Ser	Val	Ser	Asp	Ile	Tyr	Ala	Leu	Glu	Ser	Leu
1				5					10				15		

Gly Arg Ser Leu Phe Thr Leu Asn Ser Met Cys Leu Pro Leu Ser Phe
 20 25 30

Xaa

<210> 369

<211> 245

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 369

Met Gly Gly Ala Ser Arg Arg Val Glu Ser Gly Ala Trp Ala Tyr Leu
 1 5 10 15

Ser Pro Leu Val Leu Arg Lys Glu Leu Glu Ser Leu Val Glu Asn Glu
 20 25 30

Gly Ser Glu Val Leu Ala Leu Pro Glu Leu Pro Ser Ala His Pro Ile
 35 40 45

Ile Phe Trp Asn Leu Leu Trp Tyr Phe Gln Arg Leu Arg Leu Pro Ser
 50 55 60

Ile Leu Pro Gly Leu Val Leu Ala Ser Cys Asp Gly Pro Ser Xaa Ser
 65 70 75 80

Gln Ala Pro Ser Pro Trp Leu Thr Pro Asp Pro Ala Ser Val Gln Val
 85 90 95

Arg Leu Leu Trp Asp Val Leu Thr Pro Asp Pro Asn Ser Cys Pro Pro
 100 105 110

Leu Tyr Val Leu Trp Arg Val His Ser Gln Ile Pro Gln Arg Val Val
 115 120 125

Trp Pro Gly Pro Val Pro Ala Ser Leu Ser Leu Ala Leu Leu Glu Ser
 130 135 140

Val Leu Arg His Val Gly Leu Asn Glu Val His Lys Ala Val Gly Leu
 145 150 155 160

Leu Leu Glu Thr Leu Gly Pro Pro Pro Thr Gly Leu His Leu Gln Arg
 165 170 175

Gly Ile Tyr Arg Glu Ile Leu Phe Leu Thr Met Ala Ala Leu Gly Lys
 180 185 190

Asp His Val Asp Ile Val Ala Phe Asp Lys Lys Tyr Lys Ser Ala Phe
 195 200 205

Asn Lys Leu Ala Ser Ser Met Gly Lys Glu Glu Leu Arg His Arg Arg

210

215

220

Ala Gln Met Pro Thr Pro Lys Ala Ile Asp Cys Arg Lys Cys Phe Gly
 225 230 235 240

Ala Pro Pro Glu Cys
 245

<210> 370

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals stop translation

<400> 370

Met Lys Phe Ser Leu Leu Phe Leu Pro Met Leu Leu Ile Leu Lys Pro
 1 5 10 15

Asp Leu Phe His Ile Ser Ile Cys Thr Leu Ala Ala Cys Gly Leu Thr
 20 25 30

Phe Pro Xaa
 35

<210> 371

<211> 22

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals stop translation

<400> 371

Met Leu Phe Phe Phe Ile Leu His Leu Leu Ser Ile Met Ser Phe Leu
 1 5 10 15

Ser Pro Asp Ile Met Xaa
 20

<210> 372

<211> 98

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 372

Met Phe Gly Leu Leu Val Glu Ser Gln Thr Leu Leu Glu Glu Asn Ala
 1 5 10 15

Val Gln Gly Thr Glu Arg Thr Leu Gly Leu Asn Ile Ala Pro Phe Ile
 20 25 30

Asn Gln Phe Gln Val Pro Ile Arg Val Phe Leu Asp Leu Ser Ser Leu
 35 40 45

Pro Cys Ile Pro Leu Ser Lys Pro Val Glu Leu Leu Arg Leu Asp Leu
 50 55 60

Met Thr Pro Tyr Leu Asn Thr Ser Asn Arg Glu Val Lys Val Tyr Val
 65 70 75 80

Cys Xaa Ile Trp Glu Asp Leu Thr Ala Ile Pro Phe Trp Val Ser Tyr
 85 90 95

Val Pro

<210> 373

<211> 78

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 373

Met Phe Gly Ala His Arg Xaa Trp Gln Gly Ser Val Leu Leu Phe Leu
 1 5 10 15

Ser Phe Ala Trp Gly Asn Gly Gly Ser Val Thr Phe Ser Asp Val Pro
 20 25 30

Arg Val Met Pro Leu Ala Gly Gly Pro Xaa Xaa Gln Val Ser Ser Thr
 35 40 45

Pro Arg Pro Pro Pro His Gln Val Thr Ser Ser Pro Gly Leu Glu Ser
 50 55 60

Ala His Ile Val Cys Pro Glu Arg Lys Lys Lys Lys Lys Lys
 65 70 75

<210> 374
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (28)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals stop translation

<400> 374
 Thr Leu Leu Xaa Phe Leu Xaa Leu Leu Thr Thr Glu Gly Gly Arg Glu
 1 5 10 15

Asn Ile Phe Xaa Gly Arg Ile Leu Xaa Leu Gln Xaa Ser Pro Xaa
 20 25 30

<210> 375
 <211> 57
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (57)

<223> Xaa equals stop translation

<400> 375

Met Leu Ser Phe Phe Ile Cys Leu Leu Ile Phe Val His Leu Leu Leu
1 5 10 15

Leu Ser Phe Leu Ile Ser Asp Trp Pro Pro Pro Thr Gly Ser Ala Xaa
20 25 30

His Lys Ile Leu Arg Leu Met Val Val Gln Arg Leu Ser Leu Leu Asp
35 40 45

Gln Arg Lys Arg Trp Ser Glu Ala Xaa
50 55

<210> 376

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 376

Met Cys His His Ala Trp Leu Ile Phe Lys Phe Phe Val Xaa Met Gly
1 5 10 15

Ser His Tyr Val Ala Gln Ala Gly Phe Arg Phe Leu Cys Ser Arg Asp
20 25 30

Ser Ala Asn Leu Ala Pro Gln Ser Ala Gly Ile Thr Asn Val Ser His
35 40 45

Cys Ile Trp Pro Ile Phe Phe Phe Lys Lys Lys Met Gln Arg Cys
50 55 60

<210> 377

<211> 38

<212> PRT

<213> Homo sapiens

<400> 377

Met Thr Met Val Leu Cys Ile Phe Ile Leu Gly His His Ala Arg Glu
1 5 10 15

Asp Pro Pro Ser Asn Gly His Ile Thr Ser Glu Gly Ala Phe Leu Val
20 25 30

Asn Val Gly Ala Pro Gln
35

<210> 378

<211> 98

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 378

Met Leu Arg Leu Glu Ala Arg Ala Thr Thr Pro Gly Leu Gln Thr His
1 5 10 15

Ser Cys Leu Gly Phe Tyr Ile Lys Tyr Glu His Lys Asn Thr Phe Pro
20 25 30

Lys Tyr Ser Leu Trp Leu Cys Leu Thr Leu Gly Thr Xaa Pro Ser Thr
35 40 45

Ser Ser Ile Leu Arg Tyr Val Arg Gly Val Tyr Arg Gly Leu Glu Tyr
50 55 60

Ile Arg Phe Phe Ser Asn Ser Ser Ser Ser Arg Arg Arg Leu Thr Thr
65 70 75 80

Ser Leu Gly Phe Lys Val Ser Gly Leu Lys Phe Pro Pro Glu Ile Thr
85 90 95

Ile Arg

<210> 379

<211> 15

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals stop translation

<400> 379

Thr Leu Thr Ser Phe Leu Glu Leu Pro Leu Ala Pro Glu Pro Xaa
1 5 10 15

<210> 380

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals stop translation

<400> 380

Met His Arg Tyr Ile Thr Phe Phe Lys Cys Phe Arg Ser Val Ile Leu

1	5	10	15
Asp	Leu	Leu	Phe
	Ile	Leu	Ser
	Pro	Leu	Ser
	Gln	Gly	Cys
	Phe	Ile	Leu
20	25	30	

Phe Xaa

<210> 381
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 381
Met Phe Gly Phe Ile Phe Leu Leu Leu Ile Phe Cys Ile Xaa Leu Cys
1 5 10 15

Ser Arg Thr Leu Ser Thr Phe Ile Pro Lys Leu Val Gly Phe Leu Tyr
20 25 30

Trp Lys Phe Ser Ile Asn Leu Ser Leu Leu Leu Thr Leu Ile Lys Lys
35 40 45

Lys Lys Lys Lys Lys Lys Thr Pro Arg Gly Gly Pro Gly Xaa Gln Ser
50 55 60

Pro. Pro
 65

<210> 382
 <211> 317
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (207)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 382
Met Pro Gly Leu Gly Arg Pro Arg Gln Ala Arg Trp Thr Leu Met Leu
1 5 10 15

Leu Leu Ser Thr Ala Met Tyr Gly Ala His Ala Pro Leu Leu Ala Leu
20 25 30

Cys His Val Asp Gly Arg Val Pro Phe Arg Pro Ser Ser Ala Val Leu
 35 40 45
 Leu Thr Glu Leu Thr Lys Leu Leu Cys Ala Phe Ser Leu Leu Val
 50 55 60
 Gly Trp Gln Ala Trp Pro Gln Gly Pro Pro Pro Trp Arg Gln Ala Ala
 65 70 75 80
 Pro Phe Ala Leu Ser Ala Leu Leu Tyr Gly Ala Asn Asn Asn Leu Val
 85 90 95
 Ile Tyr Leu Gln Arg Tyr Met Asp Pro Ser Thr Tyr Gln Val Leu Ser
 100 105 110
 Asn Leu Lys Ile Gly Ser Thr Ala Val Leu Tyr Cys Leu Cys Leu Arg
 115 120 125
 His Arg Leu Ser Val Arg Gln Gly Leu Ala Leu Leu Leu Met Ala
 130 135 140
 Ala Gly Ala Cys Tyr Ala Ala Gly Gly Leu Gln Val Pro Gly Asn Thr
 145 150 155 160
 Leu Pro Ser Pro Pro Pro Ala Ala Ala Ala Ser Pro Met Pro Leu His
 165 170 175
 Ile Thr Pro Leu Gly Leu Leu Leu Leu Ile Leu Tyr Cys Leu Ile Ser
 180 185 190
 Gly Leu Ser Ser Val Tyr Thr Glu Leu Leu Met Lys Arg Gln Xaa Leu
 195 200 205
 Pro Leu Ala Leu Gln Asn Leu Phe Leu Tyr Thr Phe Gly Val Leu Leu
 210 215 220
 Asn Leu Gly Leu His Ala Gly Gly Gly Ser Gly Pro Gly Leu Leu Glu
 225 230 235 240
 Gly Phe Ser Gly Trp Ala Ala Leu Val Val Leu Ser Gln Ala Leu Asn
 245 250 255
 Gly Leu Leu Met Ser Ala Val Met Lys His Gly Ser Ser Ile Thr Arg
 260 265 270
 Leu Phe Val Val Ser Cys Ser Leu Val Val Asn Ala Val Leu Ser Ala
 275 280 285
 Val Leu Leu Arg Leu Gln Leu Thr Ala Ala Phe Phe Leu Ala Thr Leu
 290 295 300
 Leu Ile Gly Leu Ala Met Arg Leu Tyr Tyr Gly Ser Arg
 305 310 315

<210> 383

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 383

Met Gly Glu Gln Pro His Phe Ser Leu Cys Val Leu Leu Ala Ala Val
1 5 10 15

Arg Glu Asp Xaa Asp Pro Xaa Val Phe Pro Cys Cys Phe Leu Xaa
20 25 30

<210> 384

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals stop translation

<400> 384

Met Ser Phe Ile Ala Leu His Pro Leu Leu Pro Glu Ala Ala Leu Gly
1 5 10 15

Val Pro Gly Gln Ser Pro His Arg Pro Leu Trp Gln Thr Gln Cys Cys
20 25 30

Val Ala Pro Pro Gln Pro Arg Ala Glu Phe Xaa
35 40

<210> 385

<211> 255

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (255)

<223> Xaa equals stop translation

<400> 385

Met Val Thr Ala Leu Thr Leu Leu Ala Phe Pro Leu Leu Leu His

1	5	10	15
Ala Glu Arg Ile Ser Leu Val Phe Leu Leu Leu Phe Leu Gln Ser Phe	20	25	30
Leu Leu Leu His Leu Leu Ala Ala Gly Ile Pro Val Thr Thr Pro Gly	35	40	45
Pro Phe Thr Val Pro Trp Gln Ala Val Ser Ala Trp Ala Leu Met Ala	50	55	60
Thr Gln Thr Phe Tyr Ser Thr Gly His Gln Pro Val Phe Pro Ala Ile	65	70	75
His Trp His Ala Ala Phe Val Gly Phe Pro Glu Gly His Gly Ser Cys	85	90	95
Thr Trp Leu Pro Ala Leu Leu Val Gly Ala Asn Thr Phe Ala Ser His	100	105	110
Leu Leu Phe Ala Val Gly Cys Pro Leu Leu Leu Leu Trp Pro Phe Leu	115	120	125
Cys Glu Ser Gln Gly Leu Arg Lys Arg Gln Gln Pro Pro Gly Asn Glu	130	135	140
Ala Asp Ala Arg Val Arg Pro Glu Glu Glu Glu Glu Pro Leu Met Glu	145	150	155
Met Arg Leu Arg Asp Ala Pro Gln His Phe Tyr Ala Ala Leu Leu Gln	165	170	175
Leu Gly Leu Lys Tyr Leu Phe Ile Leu Gly Ile Gln Ile Leu Ala Cys	180	185	190
Ala Leu Ala Ala Ser Ile Leu Arg Arg His Leu Met Val Trp Lys Val	195	200	205
Phe Ala Pro Lys Phe Ile Phe Glu Ala Val Gly Phe Ile Val Ser Ser	210	215	220
Val Gly Leu Leu Leu Gly Ile Ala Leu Val Met Arg Val Asp Gly Ala	225	230	235
Val Ser Ser Trp Phe Arg Gln Leu Phe Leu Ala Gln Gln Arg Xaa	245	250	255

<210> 386

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals stop translation

<400> 386

Met Xaa Gly Pro Trp Gly Glu Glu Ala Leu Ile Arg Leu Pro Thr Pro
 1 5 10 15

Ser Gly Leu Xaa
 20

<210> 387
 <211> 64
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals stop translation

<400> 387

Met Ala Thr Leu Glu Xaa Asn Gln Arg Glu Val Asp Arg Glu Ile Arg
 1 5 10 15

Ser Leu Leu Leu Trp Phe Leu Leu Cys Glu Ile Val Ser Gly Trp Leu
 20 25 30

Cys Pro Glu Gly Pro Trp Phe Ser Gln Gly Cys Gln Ile Tyr Lys Asn
 35 40 45

Leu Ser Ser Ser Ser Ser Tyr Asn Leu Ser Phe Leu Leu Ser Leu Xaa
 50 55 60

<210> 388
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals stop translation

<400> 388

Met Ile His Ser Gly Cys Thr Ser Gln Cys Leu Glu Gly Phe Phe Leu
 1 5 10 15

Ile Phe Leu Leu Asp Phe Asn Pro Val Leu Ala Leu Asp Leu Ile Gly
20 25 30

Ile Met Arg Lys Ala Ser His Xaa
35 40

<210> 389

<211> 35

<212> PRT

<213> Homo sapiens

 $\langle 220 \rangle$

<221> SITE

<222> (35)

<223> Xaa equals stop translation

<400> 389

Met Val Phe Ser Ala Arg Val Ser Leu Tyr Thr Arg Phe Lys Val Ile
1 5 10 15

Leu Leu Ser Leu Leu Ile Met Ile Leu His Val Cys Trp Val Trp Val
20 25 30

Ile Leu Xaa
35

<210> 390

<211> 11

<212> PRT

<213> Homo sapiens

 $\langle 220 \rangle$

<221> SITE

 $\langle 222 \rangle$ (11)

<223> Xaa equals stop translation

<400> 390

Gly Leu Leu Tyr Ile Met Tyr Cys Asn Ile Xaa
1 5 10

<210> 391

<211> 64

<212> PRT

<213> Homo sapiens

 $\langle 220 \rangle$

<221> SITE

$\langle 222 \rangle$ (64)

<223> Xaa equals stop translation

<400> 391

Met Asn Asn Gly Leu Leu Gln Gln Pro Ser Ala Leu Met Leu Leu Pro
1 5 10 15

Cys Arg Pro Val Leu Thr Ser Val Ala Leu Asn Ala Asn Phe Val Ser
 20 25 30

Trp Lys Ser Arg Thr Lys Tyr Thr Ile Thr Pro Val Lys Met Arg Lys
 35 40 45

Ser Gly Gly Arg Asp His Thr Gly Gly Asn Lys Asp Arg Gly Ile Xaa
 50 55 60

<210> 392

<211> 19

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals stop translation

<400> 392

Met Arg Lys Gln Arg Leu Val Pro Met Tyr Leu Gly Leu Ile Tyr Ile
 1 5 10 15

Leu Leu Xaa

<210> 393

<211> 43

<212> PRT

<213> Homo sapiens

<400> 393

Met Glu Ile Ser Val Ile Lys Ile Phe Gln Asp Glu Thr Thr Leu Lys
 1 5 10 15

Ile Lys Leu Cys Leu Val Ser Leu Ser Ser Leu Leu Val Ser Leu Leu
 20 25 30

Leu Leu Ile Leu Pro Glu Ser Thr Ser Leu Trp
 35 40

<210> 394

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals stop translation

<400> 394

Leu Leu Leu Pro Val Leu Ala Ser Ser Val Pro Ser His Ser Ala Thr
 1 5 10 15

Xaa

<210> 395

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (84)

<223> Xaa equals stop translation

<400> 395

Met Leu Pro Leu Leu Leu Phe Thr Tyr Leu Asn Ser Phe Leu His Gln
 1 5 10 15

Arg Ile Pro Gln Ser Val Arg Ile Leu Gly Ser Leu Val Ala Ile Leu
 20 25 30

Leu Val Phe Leu Ile Thr Ala Ile Leu Val Lys Val Gln Leu Asp Ala
 35 40 45

Leu Pro Phe Phe Val Ile Thr Met Ile Lys Ile Val Leu Ile Asn Ser
 50 55 60

Phe Gly Ala Ile Leu Gln Gly Ser Leu Phe Gly Leu Ala Gly Leu Leu
 65 70 75 80

Pro Ala Ser Xaa

<210> 396

<211> 21

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals stop translation

<400> 396

Met Lys Leu Ser Leu Phe Leu Ile Leu Ser Asp Val Phe Tyr Leu Gly
 1 5 10 15

Ser Pro Xaa Thr Xaa
 20

<210> 397
 <211> 29
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (29)
 <223> Xaa equals stop translation

<400> 397
 Met Gly Thr Arg Arg Lys Gly Val Ala Trp Leu Ser Leu Ala Pro Leu
 1 5 10 15
 Ile Thr Gly Leu Ala Pro Ala His Ile Thr Ala Val Xaa
 20 25

<210> 398
 <211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals stop translation

<400> 398
 Met Lys Asp Leu Leu Gln Arg Asn Pro Trp Lys Asn Ser Leu Leu Leu
 1 5 10 15
 Leu Gln Val Cys Gln Ala Phe Leu Val Cys Ser Leu Thr Gln Leu Ala
 20 25 30

Val Xaa

<210> 399
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals stop translation

<400> 399
 Met Ser Glu Ser His Lys Ile Trp Trp Cys Tyr Arg His Leu Ala Phe
 1 5 10 15
 Pro Leu Leu Thr Leu Ile Leu Tyr Pro Ala Thr Leu Gly Arg Ser Val
 20 25 30

Phe Cys His Asp Cys Lys Phe Pro Glu Ala Ser Pro Ala Met Xaa
 35 40 45

<210> 400

<211> 25

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals stop translation

<400> 400

Met Leu Asn Arg Ile Met Val Ala Ser Phe Gly Ala Val Leu Val Gln
 1 5 10 15

Val Cys Arg Gly Xaa Gly Gln Gly Xaa
 20 25

<210> 401

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (68)

<223> Xaa equals stop translation

<400> 401

Met Gln Leu Leu Leu Leu Gly Leu Ile Arg Ser Gln Pro Ser Pro Pro
 1 5 10 15

Pro Ser Leu Cys Leu Met Leu Cys Pro Cys Leu Pro Cys Leu Arg Tyr
 20 25 30

Ser Pro Phe Val Pro Gln His Pro Cys Pro Leu Pro Leu Asp Leu Cys
 35 40 45

Leu Ala Gly Cys Ser Ser Leu Ser Val Gln Asp Lys Cys Ser Trp Pro
 50 55 60

Tyr Pro Ile Xaa
 65

<210> 402

<211> 85

<212> PRT

<213> Homo sapiens

<400> 402

Met Lys Asp Ser Leu Cys Arg Val Ser Phe Leu Lys Asn Gln Ile Phe
 1 5 10 15

Leu Ser Tyr Ile Thr Leu Val Leu Ile Gly His Ala His Phe Ser Gly
 20 25 30

Val Pro His Tyr Asn Val Ser Phe Val Leu Arg Ile Asn Leu Gln Lys
 35 40 45

His Leu Lys Ile Thr Thr Ser Asn Gly Ile Glu Ser Lys Lys Thr Gly
 50 55 60

Glu Arg Gly Glu Thr Met Phe Phe Arg Thr Arg Gly Ser Thr His Ala
 65 70 75 80

Ser Ala Asp Ala Trp
 85

<210> 403

<211> 82

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 403

Met Gly Gly Ser Leu Leu Pro Gln Val Ser Ala Ala Val Leu Xaa Leu
 1 5 10 15

Asp Gly Leu Leu Leu Pro Gly Leu Lys Gly Cys Gly Pro Leu Arg Val
 20 25 30

Ser Phe Pro Gln Ala Lys Phe Lys Ala Ala Ala Leu Cys Glu Ala Leu
 35 40 45

Leu Ala Leu Gly Trp Arg Glu Asn Phe Lys Leu Phe Cys Ser Gln Gly
 50 55 60

Arg Gly Met Gly Pro Gly Cys Arg Cys Pro His Ser Ala Asn Glu Ser
 65 70 75 80

Phe Val

<210> 404

<211> 286

<212> PRT

<213> Homo sapiens

<400> 404

Met Ala Met Glu Gly Tyr Trp Arg Phe Leu Ala Leu Leu Gly Ser Ala

1	5	10	15
Leu Leu Val Gly Phe Leu Ser Val Ile Phe Ala Leu Val Trp Val Leu	20	25	30
His Tyr Arg Glu Gly Leu Gly Trp Asp Gly Ser Ala Leu Glu Phe Asn	35	40	45
Trp His Pro Val Leu Met Val Thr Gly Phe Val Phe Ile Gln Gly Ile	50	55	60
Ala Ile Ile Val Tyr Arg Leu Pro Trp Thr Trp Lys Cys Ser Lys Leu	65	70	75
Leu Met Lys Ser Ile His Ala Gly Leu Asn Ala Val Ala Ala Ile Leu	85	90	95
Ala Ile Ile Ser Val Val Ala Val Phe Glu Asn His Asn Val Asn Asn	100	105	110
Ile Ala Asn Met Tyr Ser Leu His Ser Trp Val Gly Leu Ile Ala Val	115	120	125
Ile Cys Tyr Leu Leu Gln Leu Leu Ser Gly Phe Ser Val Phe Leu Leu	130	135	140
Pro Trp Ala Pro Leu Ser Leu Arg Ala Phe Leu Met Pro Ile His Val	145	150	155
Tyr Ser Gly Ile Val Ile Phe Gly Thr Val Ile Ala Thr Ala Leu Met	165	170	175
Gly Leu Thr Glu Lys Leu Ile Phe Ser Leu Arg Asp Pro Ala Tyr Ser	180	185	190
Thr Phe Pro Pro Glu Gly Val Phe Val Asn Thr Leu Gly Leu Leu Ile	195	200	205
Leu Val Phe Gly Ala Leu Ile Phe Trp Ile Val Thr Arg Pro Gln Trp	210	215	220
Lys Arg Pro Lys Glu Pro Asn Ser Thr Ile Leu His Pro Asn Gly Gly	225	230	235
Thr Glu Gln Gly Ala Arg Gly Ser Met Pro Ala Tyr Ser Gly Asn Asn	245	250	255
Met Asp Lys Ser Asp Ser Glu Leu Asn Ser Glu Val Ala Ala Arg Lys	260	265	270
Arg Asn Leu Ala Leu Asp Glu Ala Gly Gln Arg Ser Thr Met	275	280	285

210> 405

211> 154

212> PRT

213> Homo sapiens

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<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (134)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (154)
<223> Xaa equals stop translation

<400> 405
Met Thr Lys Ala Arg Leu Phe Arg Leu Trp Leu Val Leu Gly Ser Val
  1           5           10           15

Phe Met Ile Leu Leu Ile Ile Val Tyr Trp Asp Ser Ala Gly Ala Ala
      20           25           30

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His Phe Tyr Leu His Thr Ser Phe Ser Arg Pro His Thr Gly Pro Pro
35 40 45

Leu Pro Thr Pro Gly Pro Asp Arg Asp Arg Glu Leu Thr Ala Asp Ser
50 55 60

Asp Val Asp Xaa Phe Leu Asp Xaa Phe Leu Ser Ala Gly Val Lys Gln
65 70 75 80

Ser Asp Xaa Pro Arg Lys Glu Thr Glu Gln Pro Pro Ala Pro Gly Ser
85 90 95

Met Glu Glu Ser Val Arg Xaa Tyr Asp Trp Ser Pro Arg Xaa Ala Arg
100 105 110

Arg Thr Gln Thr Arg Ala Gly Ser Xaa Arg Xaa Gly Gly Xaa Cys Cys
115 120 125

Gly Ala Ser Ala Pro Xaa Pro Ala Trp Pro Ser Pro Pro Arg Ser Ala
130 135 140

His Ser Thr Thr Ser Pro Thr Arg Ser Xaa
145 150

<210> 406

<211> 37

<212> PRT

<213> Homo sapiens

<400> 406

Met Leu Leu Leu Ile Val Leu Val Ala Asn Ile Leu Ser Met Ser Asn
1 5 10 15

Met Ser Asn Ala Val Val Ser Asp Leu His Ile Leu Val His Leu Ile
20 25 30

Ser His Lys Ala Asn
35

<210> 407

<211> 60

<212> PRT

<213> Homo sapiens

<400> 407

Met Cys Ile His Val Phe Met Ser Val Leu Trp Val Leu Phe Leu Leu
1 5 10 15

Asn Pro Leu Cys Thr Gly Leu Trp Pro Leu Val Asn Cys Phe Ser Val
20 25 30

Leu Arg His Ala Asp Trp Val Leu Gly Ala Asp Tyr Lys Gly Glu Glu
35 40 45

Leu Asn Arg His Gln Gly Pro Met Lys Pro Lys Asp
50 55 60

<210> 408
 <211> 447
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (447)
 <223> Xaa equals stop translation

<400> 408

Met	Leu	Leu	Gly	Leu	Leu	Met	Ala	Ala	Cys	Phe	Thr	Phe	Cys	Leu	Ser	1	5	10	15
His	Gln	Asn	Leu	Lys	Glu	Phe	Ala	Leu	Thr	Asn	Pro	Glu	Lys	Ser	Ser	20	25	30	
Thr	Lys	Glu	Thr	Glu	Arg	Lys	Glu	Thr	Lys	Ala	Glu	Glu	Glu	Leu	Asp	35	40	45	
Ala	Glu	Val	Leu	Glu	Val	Phe	His	Pro	Thr	His	Glu	Trp	Gln	Ala	Leu	50	55	60	
Gln	Pro	Gly	Gln	Ala	Val	Pro	Ala	Gly	Ser	His	Val	Arg	Leu	Asn	Leu	65	70	75	80
Gln	Thr	Gly	Glu	Arg	Glu	Ala	Lys	Leu	Gln	Tyr	Glu	Asp	Lys	Phe	Arg	85	90	95	
Asn	Asn	Leu	Lys	Gly	Lys	Arg	Leu	Asp	Ile	Asn	Thr	Asn	Thr	Tyr	Thr	100	105	110	
Ser	Gln	Asp	Leu	Lys	Ser	Ala	Leu	Ala	Lys	Phe	Lys	Glu	Gly	Ala	Glu	115	120	125	
Met	Glu	Ser	Ser	Lys	Glu	Asp	Lys	Ala	Arg	Gln	Ala	Glu	Val	Lys	Arg	130	135	140	
Leu	Phe	Arg	Pro	Ile	Glu	Glu	Leu	Lys	Lys	Asp	Phe	Asp	Glu	Leu	Asn	145	150	155	160
Val	Val	Ile	Glu	Thr	Asp	Met	Gln	Ile	Met	Val	Arg	Leu	Ile	Asn	Lys	165	170	175	
Phe	Asn	Ser	Ser	Ser	Ser	Ser	Leu	Glu	Glu	Lys	Ile	Ala	Ala	Leu	Phe	180	185	190	
Asp	Leu	Glu	Tyr	Tyr	Val	His	Gln	Met	Asp	Asn	Ala	Gln	Asp	Leu	Leu	195	200	205	
Ser	Phe	Gly	Gly	Leu	Gln	Val	Val	Ile	Asn	Gly	Leu	Asn	Ser	Thr	Glu	210	215	220	
Pro	Leu	Val	Lys	Glu	Tyr	Ala	Ala	Phe	Val	Leu	Gly	Ala	Ala	Phe	Ser	225	230	235	240

Ser Asn Pro Lys Val Gln Val Glu Ala Ile Glu Gly Gly Ala Leu Gln
245 250 255

Lys Leu Leu Val Ile Leu Ala Thr Glu Gln Pro Leu Thr Ala Lys Lys
260 265 270

Lys Val Leu Phe Ala Leu Cys Ser Leu Leu Arg His Phe Pro Tyr Ala
275 280 285

Gln Arg Gln Phe Leu Lys Leu Gly Gly Leu Gln Val Leu Arg Thr Leu
290 295 300

Val Gln Glu Lys Gly Thr Glu Val Leu Ala Val Arg Val Val Thr Leu
305 310 315 320

Leu Tyr Asp Leu Val Thr Glu Lys Met Phe Ala Glu Glu Glu Ala Glu
325 330 335

Leu Thr Gln Glu Met Ser Pro Glu Lys Leu Gln Gln Tyr Arg Gln Val
340 345 350

His Leu Leu Pro Gly Leu Trp Glu Gln Gly Trp Cys Glu Ile Thr Ala
355 360 365

His Leu Leu Ala Leu Pro Glu His Asp Ala Arg Glu Lys Val Leu Gln
370 375 380

Thr Leu Gly Val Leu Leu Thr Thr Cys Arg Asp Arg Tyr Arg Gln Asp
385 390 395 400

Pro Gln Leu Gly Arg Thr Leu Ala Ser Leu Gln Ala Glu Tyr Gln Val
405 410 415

Leu Ala Ser Leu Glu Leu Gln Asp Gly Glu Asp Glu Gly Tyr Phe Gln
420 425 430

Glu Leu Leu Gly Ser Val Asn Ser Leu Leu Lys Glu Leu Arg Xaa
435 440 445

<210> 409

<211> 64

<212> PRT

<213> Homo sapiens

<400> 409

Met Leu Tyr Ser Asp Leu Lys Leu Val Arg Cys His Asn Gly Pro Val
1 5 10 15

His Val Ile Ser Val Tyr Thr Thr Pro Pro Asp Pro Ser Asn Pro Tyr
20 25 30

Asn Thr Pro Pro Leu Phe Ala Ser Cys Met Val Ile Ser Tyr Val Thr
35 40 45

Phe Thr Pro Val Ser Ala Asp Cys Phe Phe Asn Val Leu Val Cys Phe
50 55 60

<210> 410
 <211> 24
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals stop translation

<400> 410
 Glu Leu Leu Phe Leu Leu Ile Ile Ile Leu Gly Glu Ser Leu Ser Asp
 1 5 10 15

Val Ile Leu Leu Ile Cys Phe Xaa
 20

<210> 411
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals stop translation

<400> 411
 Met Phe Tyr Trp Gly Gly Leu Ser Phe Tyr Phe Leu Leu Ser Ser Gly
 1 5 10 15

Val Gly Phe Tyr Cys Phe Leu Phe Gly Phe Gly Met Glu Ile Trp Ile
 20 25 30

Ala Ala Xaa
 35

<210> 412
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 412
 Met Gly Lys Val Gly Trp Leu Met Val Gly Gly Val Ala Pro Gly Ile
 1 5 10 15

Arg Gly Gly Trp Gly Trp Thr Leu Gly Ile Met Val Gly Gly Ala Ile
 20 25 30

Ala His Cys Cys Cys Cys Leu Ile Arg
 35 40

<210> 413
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals stop translation

<400> 413
 Met Lys Leu Ser Leu Leu Ile Leu Thr Leu Met Gln Arg Tyr Phe Arg
 1 5 10 15
 Thr Ile Thr Asn Ser Leu Cys Lys Xaa
 20 25

<210> 414
 <211> 79
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (79)
 <223> Xaa equals stop translation

<400> 414
 Met Pro Ala Val Ser Gly Pro Gly Pro Leu Phe Cys Leu Leu Leu Leu
 1 5 10 15
 Leu Leu Asp Pro His Ser Pro Glu Thr Gly Cys Pro Pro Leu Arg Arg
 20 25 30
 Phe Glu Tyr Lys Leu Ser Phe Lys Gly Pro Arg Leu Ala Leu Pro Gly
 35 40 45
 Ala Gly Ile Pro Phe Trp Ser His His Gly Gly Glu Gly Gln Gly Trp
 50 55 60
 Gly Pro Leu Cys Pro Gly Ser Leu Lys Val Leu Glu Gly Leu Xaa
 65 70 75

<210> 415
 <211> 51
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 415

Met	His	Tyr	Leu	Leu	Lys	Glu	Cys	Asp	Ile	Asp	Thr	Asp	Ala	Tyr	Phe
1				5					10					15	

Phe	Phe	Phe	Xaa	Leu	Leu	Val	Leu	Phe	Leu	Pro	Xaa	Lys	Tyr	Ser	Pro
			20					25						30	

Pro	Phe	Tyr	Ser	Ile	Val	Leu	Phe	Arg	Trp	Asn	Asp	Ser	Tyr	Lys	Ile
		35					40					45			

Ser	His	Tyr
	50	

<210> 416

<211> 257

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 416

Met	Ala	Ala	Leu	Thr	Ser	His	Leu	Gln	Asn	Gln	Ser	Asn	Asn	Ser	Asn
1					5				10					15	

Trp	Asn	Leu	Arg	Thr	Arg	Ser	Lys	Cys	Lys	Lys	Asp	Val	Phe	Met	Pro
			20					25						30	

Pro	Ser	Ser	Ser	Ser	Glu	Leu	Gln	Glu	Ser	Arg	Gly	Leu	Ser	Asn	Phe
		35					40						45		

Thr	Ser	Thr	His	Leu	Leu	Leu	Lys	Glu	Asp	Glu	Gly	Val	Asp	Asp	Val
	50					55					60				

Asn	Phe	Arg	Lys	Val	Arg	Lys	Pro	Lys	Gly	Lys	Val	Thr	Ile	Leu	Lys
	65				70					75					80

Gly	Ile	Pro	Ile	Lys	Lys	Thr	Lys	Lys	Gly	Cys	Arg	Lys	Ser	Cys	Ser
				85					90					95	

Gly	Phe	Val	Xaa	Ser	Asp	Ser	Lys	Arg	Glu	Ser	Val	Cys	Asn	Lys	Ala
		100						105						110	

Asp	Ala	Glu	Ser	Glu	Pro	Val	Ala	Gln	Lys	Ser	Gln	Leu	Asp	Arg	Thr
		115					120					125			

Val	Cys	Ile	Ser	Asp	Ala	Gly	Ala	Cys	Gly	Glu	Thr	Leu	Ser	Val	Thr
	130					135					140				

Ser	Glu	Glu	Asn	Ser	Leu	Val	Lys	Lys	Lys	Glu	Arg	Ser	Leu	Ser	Ser
145					150					155				160	

Gly Ser Asn Phe Cys Ser Glu Gln Lys Thr Ser Gly Ile Ile Asn Lys
 165 170 175

Phe Cys Ser Ala Lys Asp Ser Glu His Asn Glu Lys Tyr Glu Asp Thr
 180 185 190

Phe Leu Glu Ser Glu Glu Ile Gly Thr Lys Val Glu Val Val Glu Arg
 195 200 205

Lys Glu His Leu His Thr Asp Ile Leu Lys Arg Gly Ser Glu Met Asp
 210 215 220

Asn Asn Cys Ser Pro Thr Arg Lys Asp Phe Thr Glu Asp Thr Ile Pro
 225 230 235 240

Arg Asn Thr Asp Arg Lys Lys Glu Asn Lys Pro Val Phe Phe Gln Gln
 245 250 255

Ile

<210> 417

<211> 424

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (144)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (263)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 417

Met Glu Lys Gln Cys Cys Ser His Pro Val Ile Cys Ser Leu Ser Thr
 1 5 10 15

Met Tyr Thr Phe Leu Leu Gly Ala Ile Phe Ile Ala Leu Ser Ser Ser
 20 25 30

Arg Ile Leu Leu Val Lys Tyr Ser Ala Asn Glu Glu Asn Lys Tyr Asp
 35 40 45

Tyr Leu Pro Thr Thr Val Asn Val Cys Ser Glu Leu Val Lys Leu Val
 50 55 60

Phe Cys Val Leu Val Ser Phe Cys Val Ile Lys Lys Asp His Gln Ser
 65 70 75 80

Arg Asn Leu Lys Tyr Ala Ser Trp Lys Glu Phe Ser Asp Phe Met Lys
 85 90 95

Trp Ser Ile Pro Ala Phe Leu Tyr Phe Leu Asp Asn Leu Ile Val Phe
 100 105 110

Tyr Val Leu Ser Tyr Leu Gln Pro Ala Met Ala Val Ile Phe Ser Asn
 115 120 125
 Phe Ser Ile Ile Thr Thr Ala Leu Leu Phe Arg Ile Val Leu Lys Xaa
 130 135 140
 Arg Leu Asn Trp Ile Gln Trp Ala Ser Leu Leu Thr Leu Phe Leu Ser
 145 150 155 160
 Ile Val Ala Leu Thr Ala Gly Thr Lys Thr Leu Gln His Asn Leu Ala
 165 170 175
 Gly Arg Gly Phe His His Asp Ala Phe Phe Ser Pro Ser Asn Ser Cys
 180 185 190
 Leu Leu Phe Arg Asn Glu Cys Pro Arg Lys Asp Asn Cys Thr Ala Lys
 195 200 205
 Glu Trp Thr Phe Pro Glu Ala Lys Trp Asn Thr Thr Ala Arg Val Phe
 210 215 220
 Ser His Ile Arg Leu Gly Met Gly His Val Leu Ile Ile Val Gln Cys
 225 230 235 240
 Phe Ile Ser Ser Met Ala Asn Ile Tyr Asn Glu Lys Ile Leu Lys Glu
 245 250 255
 Gly Asn Gln Leu Thr Glu Xaa Ile Phe Ile Gln Asn Ser Lys Leu Tyr
 260 265 270
 Phe Phe Gly Ile Leu Phe Asn Gly Leu Thr Leu Gly Leu Gln Arg Ser
 275 280 285
 Asn Arg Asp Gln Ile Lys Asn Cys Gly Phe Phe Tyr Gly His Ser Ala
 290 295 300
 Phe Ser Val Ala Leu Ile Phe Val Thr Ala Phe Gln Gly Leu Ser Val
 305 310 315 320
 Ala Phe Ile Leu Lys Phe Leu Asp Asn Met Phe His Val Leu Met Ala
 325 330 335
 Gln Val Thr Thr Val Ile Ile Thr Thr Val Ser Val Leu Val Phe Asp
 340 345 350
 Phe Arg Pro Ser Leu Glu Phe Phe Leu Glu Ala Pro Ser Val Leu Leu
 355 360 365
 Ser Ile Phe Ile Tyr Asn Ala Ser Lys Pro Gln Val Pro Glu Tyr Ala
 370 375 380
 Pro Arg Gln Glu Arg Ile Arg Asp Leu Ser Gly Asn Leu Trp Glu Arg
 385 390 395 400
 Ser Ser Gly Asp Gly Glu Glu Leu Glu Arg Leu Thr Lys Pro Lys Ser
 405 410 415

Asp Glu Ser Asp Glu Asp Thr Phe
420

<210> 418

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals stop translation

<400> 418

Met Trp Gly Gln Gly Ser Gln Lys Ser His Phe Ser Asp Leu Val Phe
1 5 10 15

Gly Val Arg Glu Leu Cys Ala Gln Pro Ser Asp Pro Gly Ser Pro His
20 25 30

Xaa

<210> 419

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals stop translation

<400> 419

Met Val Gln His Ile Gln Pro Ala Ala Leu Ser Leu Leu Ala Gln Trp
1 5 10 15

Ser Thr Leu Val Gln Glu Leu Glu Ala Ala Leu Gln Leu Ala Phe Tyr
20 25 30

Pro Asp Ala Val Glu Glu Trp Leu Glu Glu Asn Val His Pro Ser Leu
35 40 45

Gln Arg Leu Gln Xaa Leu Leu Gln Asp Leu Ser Glu Val Ser Ala Pro
50 55 60

Pro Leu Pro Pro Thr Ser Pro Gly Arg Asp Val Ala Gln Asp Pro Xaa
65 70 75 80

<210> 420

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals stop translation

<400> 420

Met Leu Asn Gln Gly Tyr Ile Arg Lys Ile Ile Leu Ile Ile Ile Leu
1 5 10 15

Gly Ser Phe Ser Ser Pro Lys Lys Ala Ile Leu Met Gly Phe Gln Asn
20 25 30

Gln Lys Lys Ala Leu Asn Glu Glu Gln Thr Thr Gly Val Pro Met Ser
35 40 45

Ile Ser Gly Lys Leu Arg Pro Ser Arg Ser Leu Asp Phe Val Gln Pro
50 55 60

Pro Arg Phe Gln Ser Gln Gln Pro Ser Ala Val Val Asp Arg Arg Gly
65 70 75 80

Phe Xaa Xaa Lys Ala Ala Arg Gly Gln Glu Phe Ser Glu Ser Xaa
85 90 95

<210> 421

<211> 257

<212> PRT

<213> Homo sapiens

<400> 421

Met Arg Gly Pro Ala Gln Ala Lys Leu Leu Pro Gly Ser Ala Ile Gln
1 5 10 15

Ala Leu Val Gly Leu Ala Arg Pro Leu Val Leu Ala Leu Leu Val
20 25 30

Ser Ala Ala Leu Ser Ser Val Val Ser Arg Thr Asp Ser Pro Ser Pro
35 40 45

Thr Val Leu Asn Ser His Ile Ser Thr Pro Asn Val Asn Ala Leu Thr

50					55					60					
His	Glu	Asn	Gln	Thr	Lys	Pro	Ser	Ile	Ser	Gln	Ile	Ser	Thr	Thr	Leu
65					70					75					80
Pro	Pro	Thr	Thr	Ser	Thr	Lys	Lys	Ser	Gly	Gly	Ala	Ser	Val	Val	Pro
				85					90					95	
His	Pro	Ser	Pro	Thr	Pro	Leu	Ser	Gln	Glu	Glu	Ala	Asp	Asn	Asn	Glu
			100					105					110		
Asp	Pro	Ser	Ile	Glu	Glu	Glu	Asp	Leu	Leu	Met	Leu	Asn	Ser	Ser	Pro
		115					120					125			
Ser	Thr	Ala	Lys	Asp	Thr	Leu	Asp	Asn	Gly	Asp	Tyr	Gly	Glu	Pro	Asp
	130					135					140				
Tyr	Asp	Trp	Thr	Thr	Gly	Pro	Arg	Asp	Asp	Asp	Glu	Ser	Asp	Asp	Thr
145					150					155					160
Leu	Glu	Glu	Asn	Arg	Gly	Tyr	Met	Glu	Ile	Glu	Gln	Ser	Val	Lys	Ser
			165					170						175	
Phe	Lys	Met	Pro	Ser	Ser	Asn	Ile	Glu	Glu	Glu	Asp	Ser	His	Phe	Phe
		180						185					190		
Phe	His	Leu	Ile	Ile	Phe	Ala	Phe	Cys	Ile	Ala	Val	Val	Tyr	Ile	Thr
		195				200						205			
Tyr	His	Asn	Lys	Arg	Lys	Ile	Phe	Leu	Leu	Val	Gln	Ser	Arg	Lys	Trp
	210					215					220				
Arg	Asp	Gly	Leu	Cys	Ser	Lys	Thr	Val	Glu	Tyr	His	Arg	Leu	Asp	Gln
225						230					235				240
Asn	Val	Asn	Glu	Ala	Met	Pro	Ser	Leu	Lys	Ile	Thr	Asn	Asp	Tyr	Ile
			245					250					255		

Phe

<210> 422

<211> 704

<212> PRT

<213> Homo sapiens

<400> 422

Met	Trp	Tyr	Arg	Leu	Arg	Leu	Leu	Lys	Pro	Gln	Pro	Asn	Ile	Ile	Pro
1				5				10						15	

Thr	Val	Lys	Lys	Ile	Val	Leu	Leu	Ala	Gly	Trp	Ala	Leu	Phe	Leu	Phe
		20						25					30		

Leu	Ala	Tyr	Lys	Val	Ser	Lys	Thr	Asp	Arg	Glu	Tyr	Gln	Glu	Tyr	Asn
		35					40					45			

Pro Tyr Glu Val Leu Asn Leu Asp Pro Gly Ala Thr Val Ala Glu Ile

50					55					60					
Lys	Lys	Gln	Tyr	Arg	Leu	Leu	Ser	Leu	Lys	Tyr	His	Pro	Asp	Lys	Gly
65					70					75					80
Gly	Asp	Glu	Val	Met	Phe	Met	Arg	Ile	Ala	Lys	Ala	Tyr	Ala	Ala	Leu
				85					90					95	
Thr	Asp	Glu	Glu	Ser	Arg	Lys	Asn	Trp	Glu	Glu	Phe	Gly	Asn	Pro	Asp
			100					105					110		
Gly	Pro	Gln	Ala	Thr	Ser	Phe	Gly	Ile	Ala	Leu	Pro	Ala	Trp	Ile	Val
		115					120					125			
Asp	Gln	Lys	Asn	Ser	Ile	Leu	Val	Leu	Leu	Val	Tyr	Gly	Leu	Ala	Phe
		130				135					140				
Met	Val	Ile	Leu	Pro	Val	Val	Val	Gly	Ser	Trp	Trp	Tyr	Arg	Ser	Ile
145					150					155					160
Arg	Tyr	Ser	Gly	Asp	Gln	Ile	Leu	Ile	Arg	Thr	Thr	Gln	Ile	Tyr	Thr
				165					170					175	
Tyr	Phe	Val	Tyr	Lys	Thr	Arg	Asn	Met	Asp	Met	Lys	Arg	Leu	Ile	Met
			180					185					190		
Val	Leu	Ala	Gly	Ala	Ser	Glu	Phe	Asp	Pro	Gln	Tyr	Asn	Lys	Asp	Ala
		195					200					205			
Thr	Ser	Arg	Pro	Thr	Asp	Asn	Ile	Leu	Ile	Pro	Gln	Leu	Ile	Arg	Glu
		210				215					220				
Ile	Gly	Ser	Ile	Asn	Leu	Lys	Lys	Asn	Glu	Pro	Pro	Leu	Thr	Cys	Pro
225					230					235				240	
Tyr	Ser	Leu	Lys	Ala	Arg	Val	Leu	Leu	Leu	Ser	His	Leu	Ala	Arg	Met
			245					250					255		
Lys	Ile	Pro	Glu	Thr	Leu	Glu	Glu	Asp	Gln	Gln	Phe	Met	Leu	Lys	Lys
			260					265					270		
Cys	Pro	Ala	Leu	Leu	Gln	Glu	Met	Val	Asn	Val	Ile	Cys	Gln	Leu	Ile
		275					280					285			
Val	Met	Ala	Arg	Asn	Arg	Glu	Glu	Arg	Glu	Phe	Arg	Ala	Pro	Thr	Leu
		290				295					300				
Ala	Ser	Leu	Glu	Asn	Cys	Met	Lys	Leu	Ser	Gln	Met	Ala	Val	Gln	Gly
305					310					315				320	
Leu	Gln	Gln	Phe	Lys	Ser	Pro	Leu	Leu	Gln	Leu	Pro	His	Ile	Glu	Glu
				325				330					335		
Asp	Asn	Leu	Arg	Arg	Val	Ser	Asn	His	Lys	Lys	Tyr	Lys	Ile	Lys	Thr
			340					345					350		
Ile	Gln	Asp	Leu	Val	Ser	Leu	Lys	Glu	Ser	Asp	Arg	His	Thr	Leu	Leu
		355					360					365			

His Phe Leu Glu Asp Glu Lys Tyr Glu Glu Val Met Ala Val Leu Gly
 370 375 380
 Ser Phe Pro Tyr Val Thr Met Asp Ile Lys Ser Gln Val Leu Asp Asp
 385 390 395 400
 Glu Asp Ser Asn Asn Ile Thr Val Gly Ser Leu Val Thr Val Leu Val
 405 410 415
 Lys Leu Thr Arg Gln Thr Met Ala Glu Val Phe Glu Lys Glu Gln Ser
 420 425 430
 Ile Cys Ala Ala Glu Glu Gln Pro Ala Glu Asp Gly Gln Gly Glu Thr
 435 440 445
 Asn Lys Asn Arg Thr Lys Gly Gly Trp Gln Gln Lys Ser Lys Gly Pro
 450 455 460
 Lys Lys Thr Ala Lys Ser Lys Lys Lys Lys Pro Leu Lys Lys Lys Pro
 465 470 475 480
 Thr Pro Val Leu Leu Pro Gln Ser Lys Gln Gln Lys Gln Lys Gln Ala
 485 490 495
 Asn Gly Val Val Gly Asn Glu Ala Ala Val Lys Glu Asp Glu Glu Glu
 500 505 510
 Val Ser Asp Lys Gly Ser Asp Ser Glu Glu Glu Glu Thr Asn Arg Asp
 515 520 525
 Ser Gln Ser Glu Lys Asp Asp Gly Ser Asp Arg Asp Ser Asp Arg Glu
 530 535 540
 Gln Asp Glu Lys Gln Asn Lys Asp Asp Glu Ala Glu Trp Gln Glu Leu
 545 550 555 560
 Gln Gln Ser Ile Gln Arg Lys Glu Arg Ala Leu Leu Glu Thr Lys Ser
 565 570 575
 Lys Ile Thr His Pro Val Tyr Ser Leu Tyr Phe Pro Glu Glu Lys Gln
 580 585 590
 Glu Trp Trp Trp Leu Tyr Ile Ala Asp Arg Lys Glu Gln Thr Leu Ile
 595 600 605
 Ser Met Pro Tyr His Val Cys Thr Leu Lys Asp Thr Glu Glu Val Glu
 610 615 620
 Leu Lys Phe Pro Ala Pro Gly Lys Pro Gly Asn Tyr Gln Tyr Thr Val
 625 630 635 640
 Phe Leu Arg Ser Asp Ser Tyr Met Gly Leu Asp Gln Ile Lys Pro Leu
 645 650 655
 Lys Leu Glu Val His Glu Ala Lys Pro Val Pro Glu Asn His Pro Gln
 660 665 670

Trp Asp Thr Ala Ile Glu Gly Asp Glu Asp Gln Glu Asp Ser Glu Gly
675 680 685

Phe Glu Asp Ser Phe Glu Glu Glu Glu Glu Glu Glu Asp Asp Asp
690 695 700

<210> 423

<211> 190

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 423

Met Lys Ala Ser Gln Cys Cys Cys Cys Leu Ser His Leu Leu Ala Ser
1 5 10 15

Val Leu Leu Leu Leu Leu Leu Pro Glu Leu Ser Gly Xaa Leu Xaa Val
20 25 30

Leu Leu Gln Ala Ala Glu Ala Ala Pro Gly Leu Gly Pro Pro Asp Pro
35 40 45

Arg Pro Arg Thr Leu Pro Pro Leu Pro Pro Gly Pro Thr Pro Ala Gln
50 55 60

Gln Pro Gly Arg Gly Leu Ala Glu Ala Ala Gly Pro Arg Gly Ser Glu
65 70 75 80

Gly Gly Asn Gly Ser Asn Pro Val Ala Gly Leu Glu Thr Asp Asp His
85 90 95

Gly Gly Lys Ala Gly Glu Gly Ser Val Gly Gly Gly Leu Ala Val Ser
100 105 110

Pro Asn Pro Gly Asp Lys Pro Met Thr Gln Arg Ala Leu Thr Val Leu
115 120 125

Met Val Val Ser Gly Ala Val Leu Val Tyr Phe Val Val Arg Thr Val
130 135 140

Arg Met Arg Arg Arg Asn Arg Lys Thr Arg Arg Tyr Gly Val Leu Asp
145 150 155 160

Thr Asn Ile Glu Asn Met Glu Leu Thr Pro Leu Glu Gln Asp Asp Glu
165 170 175

Asp Asp Asp Asn Thr Leu Phe Asp Ala Asn His Pro Arg Arg
 180 185 190

<210> 424
 <211> 179
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (179)
 <223> Xaa equals stop translation

<400> 424

Met Ser Pro Ser Gly Arg Leu Cys Leu Leu Thr Ile Val Gly Leu Ile
 1 5 10 15

Leu Pro Thr Arg Gly Gln Thr Leu Lys Asp Thr Thr Ser Ser Ser Ser
 20 25 30

Ala Asp Ser Thr Ile Met Asp Ile Gln Val Pro Thr Arg Ala Pro Asp
 35 40 45

Ala Val Tyr Thr Glu Leu Gln Pro Thr Ser Pro Thr Pro Thr Trp Pro
 50 55 60

Ala Asp Glu Thr Pro Gln Pro Gln Thr Gln Thr Gln Gln Leu Glu Gly
 65 70 75 80

Thr Asp Gly Pro Leu Val Thr Asp Pro Glu Thr His Lys Ser Thr Lys
 85 90 95

Ala Ala His Pro Thr Asp Asp Thr Thr Thr Leu Ser Glu Arg Pro Ser
 100 105 110

Pro Ser Thr Asp Val Gln Thr Asp Pro Gln Thr Leu Lys Pro Ser Gly
 115 120 125

Phe His Glu Asp Asp Pro Phe Phe Tyr Asp Glu His Thr Leu Arg Lys
 130 135 140

Arg Gly Leu Leu Val Ala Ala Val Leu Phe Ile Thr Gly Ile Ile Ile
 145 150 155 160

Leu Thr Ser Gly Lys Cys Arg Gln Leu Ser Arg Leu Cys Arg Asn His
 165 170 175

Cys Arg Xaa

<210> 425
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 425

Met Phe Lys Cys Leu Gln Thr Thr Phe Leu Phe Ile Leu Asp Phe Thr
 1 5 10 15

Trp Glu Ser Lys Val Gln Phe His Lys Ala Ser Val Tyr Leu Ser Leu
 20 25 30

Ser Ile Tyr Ile Asp Cys His Ala
 35 40

<210> 426

<211> 232

<212> PRT

<213> Homo sapiens

<400> 426

Met Leu Ala Gly Lys Leu Ile Pro Val His Gln Val Arg Gly Leu Lys
 1 5 10 15

Glu Lys Ile Val Arg Ser Phe Glu Val Ser Pro Asp Gly Ser Phe Leu
 20 25 30

Leu Ile Asn Gly Ile Ala Gly Tyr Leu His Leu Leu Ala Met Lys Thr
 35 40 45

Lys Glu Leu Ile Gly Ser Met Lys Ile Asn Gly Arg Val Ala Ala Ser
 50 55 60

Thr Phe Ser Ser Asp Ser Lys Lys Val Tyr Ala Ser Ser Gly Asp Gly
 65 70 75 80

Glu Val Tyr Val Trp Asp Val Asn Ser Arg Lys Cys Leu Asn Arg Phe
 85 90 95

Val Asp Glu Gly Ser Leu Tyr Gly Leu Ser Ile Ala Thr Ser Arg Asn
 100 105 110

Gly Gln Tyr Val Ala Cys Gly Ser Asn Cys Gly Val Val Asn Ile Tyr
 115 120 125

Asn Gln Asp Ser Cys Leu Gln Glu Thr Asn Pro Lys Pro Ile Lys Ala
 130 135 140

Ile Met Asn Leu Val Thr Gly Val Thr Ser Leu Thr Phe Asn Pro Thr
 145 150 155 160

Thr Glu Ile Leu Ala Ile Ala Ser Glu Lys Met Lys Glu Ala Val Arg
 165 170 175

Leu Val His Leu Pro Ser Cys Thr Val Phe Ser Asn Phe Pro Val Ile
 180 185 190

Lys Asn Lys Asn Ile Ser His Val His Thr Met Asp Phe Ser Pro Arg
 195 200 205

Ser Gly Tyr Phe Ala Leu Gly Asn Glu Lys Gly Lys Ala Leu Met Tyr
 210 215 220

Arg Leu His His Tyr Ser Asp Phe
225 230

<210> 427

<211> 250

<212> PRT

<213> Homo sapiens

<400> 427

Met Arg Ile Leu Gln Leu Ile Leu Leu Ala Leu Ala Thr Gly Leu Val
1 5 10 15

Gly Gly Glu Thr Arg Ile Ile Lys Gly Phe Glu Cys Lys Pro His Ser
20 25 30

Gln Pro Trp Gln Ala Ala Leu Phe Glu Lys Thr Arg Leu Leu Cys Gly
35 40 45

Ala Thr Leu Ile Ala Pro Arg Trp Leu Leu Thr Ala Ala His Cys Leu
50 55 60

Lys Pro Arg Tyr Ile Val His Leu Gly Gln His Asn Leu Gln Lys Glu
65 70 75 80

Glu Gly Cys Glu Gln Thr Arg Thr Ala Thr Glu Ser Phe Pro His Pro
85 90 95

Gly Phe Asn Asn Ser Leu Pro Asn Lys Asp His Arg Asn Asp Ile Met
100 105 110

Leu Val Lys Met Ala Ser Pro Val Ser Ile Thr Trp Ala Val Arg Pro
115 120 125

Leu Thr Leu Ser Ser Arg Cys Val Thr Ala Gly Thr Ser Cys Leu Ile
130 135 140

Ser Gly Trp Gly Ser Thr Ser Ser Pro Gln Leu Arg Leu Pro His Thr
145 150 155 160

Leu Arg Cys Ala Asn Ile Thr Ile Ile Glu His Gln Lys Cys Glu Asn
165 170 175

Ala Tyr Pro Gly Asn Ile Thr Asp Thr Met Val Cys Ala Ser Val Gln
180 185 190

Glu Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Val
195 200 205

Cys Asn Gln Ser Leu Gln Gly Ile Ile Ser Trp Gly Gln Asp Pro Cys
210 215 220

Ala Ile Thr Arg Lys Pro Gly Val Tyr Thr Lys Val Cys Lys Tyr Val
225 230 235 240

Asp Trp Ile Gln Glu Thr Met Lys Asn Asn
245 250

<210> 428

<211> 58

<212> PRT

<213> Homo sapiens

<400> 428

Met Trp Thr Lys Asn Asp Lys Leu Lys Lys Phe Phe Phe Leu Arg Tyr
1 5 10 15

Leu Gln Asn Met Val Tyr Phe Tyr Val Glu Lys Lys Ser Tyr Glu Gly
20 25 30

Ser Cys Tyr Phe Lys Arg Lys Phe Ile Lys Ser Pro Arg Gly Met Lys
35 40 45

Met Thr Ala Cys Phe Ser Ile Ile Leu Ala
50 55

<210> 429

<211> 219

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (117)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (219)

<223> Xaa equals stop translation

<400> 429

Met Ala Val Val Leu Leu Ala Asn Leu Ala Gln Gly Asp Ser Leu Ala
1 5 10 15

Ala Arg Ala Ile Ala Val Gln Lys Gly Ser Ile Gly Asn Leu Leu Gly
20 25 30

Phe Leu Glu Asp Ser Leu Ala Ala Thr Gln Phe Gln Gln Ser Gln Ala
35 40 45

Ser Leu Leu His Met Gln Asn Pro Pro Phe Glu Pro Xaa Ser Val Asp
50 55 60

Met Met Arg Arg Ala Ala Arg Ala Leu Leu Ala Leu Ala Lys Val Asp
65 70 75 80

Glu Asn His Ser Glu Phe Thr Leu Tyr Glu Ser Arg Leu Leu Asp Ile
85 90 95

Ser Val Ser Pro Leu Met Asn Ser Xaa Val Ser Gln Val Ile Cys Asp
100 105 110

Val Leu Phe Leu Xaa Trp Pro Val Met Thr Ala Val Gly His Leu Pro
115 120 125

Pro Pro Cys Val Cys Ala Cys Val Glu Asn Leu Glu Thr Asp Cys Cys
130 135 140

Pro Leu Phe Met Gln Asn His Leu Arg Ile Gln Phe Thr Leu Cys Cys
145 150 155 160

Pro Ala Ser Pro Leu Gly Lys Ser Leu Ser Cys Phe Ser Leu Leu Leu
165 170 175

Pro Pro Pro Leu Pro Pro Ser Pro His Ala Phe Leu Phe Leu Val Leu
180 185 190

Thr Leu Leu Pro Ser Gly Pro Tyr Pro Thr Leu Phe Glu Lys Thr Lys
195 200 205

Leu Cys Leu His Arg Arg Leu Phe Leu Phe Xaa
210 215

<210> 430

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals stop translation

<400> 430

Met Leu Pro Asp Glu Ser Phe Gly Leu Leu Leu Ser Ile Pro Ser Leu
1 5 10 15

Thr Pro Ser Ala Ala Ala Pro Ser Phe Cys Val His Leu Met Gln Ala
20 25 30

Ser Arg Ser Ser Lys Arg Ala Ser His Val Pro Val His Leu Leu Trp
35 40 45

Gly Asp Xaa
50

<210> 431

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals stop translation

<400> 431

Met Arg Pro Gly Ser Phe Ser Phe Ile Ala Phe Leu Ala Thr Glu Val
1 5 10 15

Ser Ser Cys Phe Pro Gly Arg Pro Asp Cys Xaa Thr Gly Met Trp Leu
20 25 30

Leu Gln Leu Gln Lys Lys Gln Arg Thr Leu Leu Ala Met Ala Pro Arg
35 40 45

Arg Xaa
50

<210> 432

<211> 70

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals stop translation

<400> 432

Asp Arg Pro Cys Pro Ser Ser Leu Trp Lys Val Phe Pro Leu Leu Leu
1 5 10 15

Leu Leu Met Arg Leu Phe Pro Leu Pro Val Pro Gly Asn Gln Arg Ala
20 25 30

Leu Leu Pro Glu Thr Thr Tyr Arg
100

<210> 435
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals stop translation

<400> 435
 Met Phe Ser Leu Leu Trp Leu Val Cys Val Pro Ser Asn Ser Ser Val
 1 5 10 15
 Ala Asn Val Thr Ala Ser Arg Gly Gly Val Phe Lys Arg Ser Leu Gly
 20 25 30
 His Glu Gly Phe Ser Xaa
 35

<210> 436
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals stop translation

<400> 436
 Lys Trp Leu Leu Phe Ile Phe Leu Leu Cys Leu Gln Leu Val Asn Ala
 1 5 10 15
 Leu Leu Ser Leu Phe Gln Glu Arg Phe Val His Cys Pro Ala Arg Phe
 20 25 30
 Val Ser Xaa
 35

<210> 437
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals stop translation

<400> 437
 Met Leu Leu Phe Leu Ser Ile Thr Asn Ser Leu Ser Phe Ile Ser Val
 1 5 10 15

Asp Lys Pro Phe Gly Gln Ser Glu Asp Val Cys Pro Val Ile Ser Xaa
 20 25 30

<210> 438
 <211> 127
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals stop translation

<400> 438
 Met Glu Phe Leu Phe Asn Lys Thr Gly Trp Ala Phe Ala Ala Leu Cys
 1 5 10 15
 Phe Val Leu Ala Met Thr Ser Gly Gln Met Trp Asn His Ile Arg Gly
 20 25 30
 Pro Pro Tyr Ala His Lys Asn Pro His Thr Gly His Val Asn Tyr Ile
 35 40 45
 His Gly Ser Ser Gln Ala Gln Phe Val Ala Glu Thr His Ile Val Leu
 50 55 60
 Leu Phe Asn Gly Gly Val Thr Leu Gly Met Val Leu Leu Cys Glu Ala
 65 70 75 80
 Ala Thr Ser Asp Met Asp Ile Gly Lys Arg Lys Ile Met Cys Val Ala
 85 90 95
 Gly Ile Gly Leu Val Val Leu Phe Phe Ser Trp Met Leu Ser Ile Phe
 100 105 110
 Arg Ser Lys Tyr His Gly Tyr Pro Tyr Ser Phe Leu Met Ser Xaa
 115 120 125

<210> 439
 <211> 69
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (69)
 <223> Xaa equals stop translation

<400> 439

Met Thr Trp His Ser Arg Glu Ser Phe Xaa Leu Leu Arg Val Val Ala
 1 5 10 15

Pro Ser Gln Ala Pro Gly Met Gln Val Ser Pro Ser Gln Arg Ala Trp
 20 25 30

Arg Arg Pro Leu His Arg Cys His Val Ala Ala Pro Arg Pro His His
 35 40 45

Phe Ala Phe Phe Arg Asn Pro Phe Ser Trp Ser Phe Ile Lys Leu Leu
 50 55 60

Tyr Arg Tyr Leu Xaa
 65

<210> 440

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (92)

<223> Xaa equals stop translation

<400> 440

Met Gly Leu Lys Leu Asn Gly Arg Tyr Ile Ser Leu Ile Leu Ala Val
 1 5 10 15

Gln Ile Ala Tyr Leu Val Gln Ala Val Arg Ala Ala Gly Lys Cys Asp
 20 25 30

Ala Val Phe Lys Gly Phe Ser Asp Cys Leu Leu Lys Leu Gly Asp Thr
 35 40 45

Trp Pro Thr Thr Arg Ser Leu Gly Arg Gln Asp Glu His Gln Asp Arg
 50 55 60

Val His Ile Leu Gly Gly Phe Pro Gln Leu His Gly His Ser Pro Tyr
 65 70 75 80

Gly Leu Pro Gly Arg Gly Glu Arg Tyr Val Gly Xaa
 85 90

<210> 441

<211> 380

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (264)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (296)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (380)

<223> Xaa equals stop translation

<400> 441

Met Ala Arg Arg Ser Ala Phe Pro Ala Ala Ala Leu Trp Leu Trp Ser
1 5 10 15

Ile Leu Leu Cys Leu Leu Ala Leu Arg Ala Glu Ala Gly Pro Pro Gln
20 25 30

Glu Glu Ser Leu Tyr Leu Trp Ile Asp Ala His Gln Ala Arg Val Leu
35 40 45

Ile Gly Phe Glu Glu Asp Ile Leu Ile Val Ser Glu Gly Lys Met Ala
50 55 60

Pro Phe Thr His Asp Phe Arg Lys Ala Gln Gln Arg Met Pro Ala Ile
65 70 75 80

Pro Val Asn Ile His Ser Met Asn Phe Thr Trp Gln Ala Ala Gly Gln
85 90 95

Ala Glu Tyr Phe Tyr Glu Phe Leu Ser Leu Arg Ser Leu Asp Lys Gly
100 105 110

Ile Met Ala Asp Pro Thr Val Asn Val Pro Leu Leu Gly Thr Val Pro
115 120 125

His Lys Ala Ser Val Val Gln Val Gly Phe Pro Cys Leu Gly Lys Gln
130 135 140

Asp Gly Val Ala Ala Phe Glu Val Asp Val Ile Val Met Asn Ser Glu
145 150 155 160

Gly Asn Thr Ile Leu Gln Thr Pro Gln Asn Ala Ile Phe Phe Lys Thr
165 170 175

Cys Gln Gln Ala Glu Cys Pro Gly Gly Cys Arg Asn Gly Gly Phe Cys
180 185 190

Asn Glu Arg Arg Ile Cys Glu Cys Pro Asp Gly Phe His Gly Pro His
195 200 205

Cys Glu Lys Ala Leu Cys Thr Pro Arg Cys Met Asn Gly Gly Leu Cys
210 215 220

Val Thr Pro Gly Phe Cys Ile Cys Pro Pro Gly Phe Tyr Gly Val Asn
225 230 235 240

Cys Asp Lys Ala Asn Cys Ser Thr Thr Cys Phe Asn Gly Gly Thr Cys
245 250 255

Phe Tyr Pro Gly Lys Cys Ile Xaa Pro Pro Gly Leu Glu Gly Glu Gln
 260 265 270

Cys Glu Ile Ser Lys Cys Pro Gln Pro Cys Arg Asn Gly Gly Lys Cys
 275 280 285

Ile Gly Lys Ser Lys Cys Lys Xaa Ser Lys Gly Tyr Gln Gly Asp Leu
 290 295 300

Cys Ser Lys Pro Val Cys Glu Pro Gly Cys Gly Ala His Gly Thr Cys
 305 310 315 320

His Glu Pro Asn Lys Cys Gln Cys Gln Glu Gly Trp His Gly Arg His
 325 330 335

Cys Asn Lys Arg Tyr Glu Ala Ser Leu Ile His Ala Leu Arg Pro Ala
 340 345 350

Gly Ala Gln Leu Arg Gln His Thr Pro Ser Leu Lys Lys Ala Glu Glu
 355 360 365

Arg Arg Asp Pro Pro Glu Ser Asn Tyr Ile Trp Xaa
 370 375 380

<210> 442

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals stop translation

<400> 442

Met Thr Ser Asn Leu Leu Leu Leu Thr Leu Leu Leu Lys Asp Thr Leu
 1 5 10 15

Xaa Leu Ala Lys Xaa Asn Xaa Xaa
 20

<210> 443
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals stop translation

<400> 443
 Met Arg His His Thr Gln Leu Asn Phe Ile Phe Leu Val Glu Met Val
 1 5 10 15
 Phe Leu His Val Gly Gln Ala Gly Leu Lys Leu Pro Thr Ser Gly Asp
 20 25 30
 Xaa Ala Cys Phe Gly Leu Pro Lys Val Leu Gly Leu Gln Ala Xaa
 35 40 45

<210> 444
 <211> 214
 <212> PRT
 <213> Homo sapiens

<400> 444
 Met Gln Val Thr Ile Thr Leu Thr Ser Pro Ile Ile Arg Glu Glu Asn
 1 5 10 15
 Met Arg Glu Gly Asp Val Thr Ser Gly Met Val Lys Asp Pro Pro Asp
 20 25 30
 Val Leu Asp Arg Gln Lys Cys Leu Asp Ala Leu Ala Ala Leu Arg His
 35 40 45
 Ala Lys Trp Phe Gln Ala Arg Ala Asn Gly Leu Gln Ser Cys Val Ile
 50 55 60
 Ile Ile Arg Ile Leu Arg Asp Leu Cys Gln Arg Val Pro Thr Trp Ser
 65 70 75 80
 Asp Phe Pro Ser Trp Ala Met Glu Leu Leu Val Glu Lys Ala Ile Ser
 85 90 95
 Ser Ala Ser Ser Pro Gln Ser Pro Gly Asp Ala Leu Arg Arg Val Phe
 100 105 110
 Glu Cys Ile Ser Ser Gly Ile Ile Leu Lys Gly Ser Pro Gly Leu Leu
 115 120 125
 Asp Pro Cys Glu Lys Asp Pro Phe Asp Thr Leu Ala Thr Met Thr Asp
 130 135 140

Gln Gln Arg Glu Asp Ile Thr Ser Ser Ala Gln Phe Ala Leu Arg Leu
145 150 155 160

Leu Ala Phe Arg Gln Ile His Lys Val Leu Gly Met Asp Pro Leu Pro
165 170 175

Gln Met Ser Gln Arg Phe Asn Ile His Asn Asn Arg Lys Arg Arg Arg
180 185 190

Asp Ser Asp Gly Val Asp Gly Phe Glu Ala Glu Gly Lys Lys Asp Lys
195 200 205

Lys Asp Tyr Asp Asn Phe
210

<210> 445

<211> 144

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (144)

<223> Xaa equals stop translation

<400> 445

Leu Leu Ser Ile Leu Leu Cys Leu Leu Ala Ser Gly Leu Val Val Phe
1 5 10 15

Phe Leu Phe Pro His Ser Val Leu Val Asp Asp Asp Gly Ile Lys Val
20 25 30

Val Lys Val Thr Phe Asn Lys Gln Asp Ser Leu Val Ile Leu Thr Ile
35 40 45

Met Ala Thr Leu Lys Ile Arg Asn Ser Asn Phe Tyr Thr Val Ala Val
50 55 60

Thr Ser Leu Ser Ser Gln Ile Gln Tyr Met Asn Thr Val Val Asn Phe
65 70 75 80

Thr Gly Lys Ala Glu Met Gly Gly Pro Phe Ser Tyr Val Tyr Phe Phe
85 90 95

Cys Thr Val Pro Glu Ile Leu Val His Asn Ile Val Ile Phe Met Arg
100 105 110

Thr Ser Val Lys Ile Ser Tyr Ile Gly Leu Met Thr Gln Ser Ser Leu
115 120 125

Glu Thr His His Tyr Val Asp Cys Gly Gly Asn Ser Thr Ala Ile Xaa
130 135 140

<210> 446
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 446
 Met Phe Phe Phe Leu Tyr Val Tyr Ser Val Leu Cys Gly Leu Leu Val
 1 5 10 15
 Tyr Pro Ser Leu Pro Ser His Ser Val Ser Leu Val Thr Ser Leu Val
 20 25 30

Ala Ser Ala Leu Xaa
 35

<210> 447
 <211> 37
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 447
 Met Ala Ser Ile Asn Ala Val Tyr Ile His Val Phe Leu Gly Val Cys
 1 5 10 15
 Val Gln Ala Thr Ala Ala Cys Pro Trp Cys Ser Gln Cys Arg Xaa Gly
 20 25 30

Ser Val Pro Ser Xaa
 35

<210> 448
 <211> 192
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<210> 446
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 446
 Met Phe Phe Phe Leu Tyr Val Tyr Ser Val Leu Cys Gly Leu Leu Val
 1 5 10 15

Tyr Pro Ser Leu Pro Ser His Ser Val Ser Leu Val Thr Ser Leu Val
 20 25 30

Ala Ser Ala Leu Xaa
 35

<210> 447
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 447
 Met Ala Ser Ile Asn Ala Val Tyr Ile His Val Phe Leu Gly Val Cys
 1 5 10 15

Val Gln Ala Thr Ala Ala Cys Pro Trp Cys Ser Gln Cys Arg Xaa Gly
 20 25 30

Ser Val Pro Ser Xaa
 35

<210> 448
 <211> 192
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (192)
 <223> Xaa equals stop translation

<400> 448

Met	Met	Ala	Ala	Met	Val	Leu	Thr	Ser	Leu	Ser	Cys	Ser	Pro	Val	Val
1				5					10					15	
Gln	Ser	Pro	Pro	Gly	Thr	Glu	Ala	Asn	Phe	Ser	Ala	Ser	Arg	Ala	Ala
			20					25					30		
Cys	Asp	Pro	Trp	Lys	Glu	Ser	Gly	Asp	Ile	Ser	Asp	Ser	Gly	Xaa	Ser
		35					40					45			
Thr	Thr	Ser	Gly	His	Trp	Ser	Gly	Ser	Ser	Gly	Val	Ser	Thr	Pro	Ser
		50				55					60				
Pro	Pro	His	Pro	Gln	Ala	Ser	Pro	Lys	Tyr	Leu	Gly	Asp	Ala	Phe	Gly
65					70					75					80
Ser	Pro	Gln	Thr	Asp	His	Gly	Phe	Glu	Thr	Asp	Pro	Asp	Pro	Phe	Leu
				85						90				95	
Leu	Asp	Glu	Pro	Ala	Pro	Arg	Lys	Arg	Lys	Asn	Ser	Val	Lys	Val	Met
			100					105					110		
Tyr	Lys	Cys	Leu	Trp	Pro	Asn	Cys	Gly	Lys	Val	Leu	Arg	Ser	Ile	Val
		115					120					125			
Gly	Ile	Lys	Arg	His	Val	Lys	Ala	Leu	His	Leu	Gly	Asp	Thr	Val	Asp
	130					135					140				
Ser	Asp	Gln	Phe	Lys	Arg	Glu	Glu	Asp	Phe	Tyr	Tyr	Thr	Glu	Val	Gln
145					150					155					160
Leu	Lys	Glu	Glu	Ser	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Asp	Pro
					165			170						175	
Gln	Ser	Leu	Gly	Leu	Pro	Pro	Pro	Ser	Gln	Leu	Pro	Pro	Pro	Ala	Xaa
			180					185						190	

<210> 449
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals stop translation

<400> 449

Met Ser Thr Asn Tyr Leu Thr Asp Val Cys Ser Leu Phe Ser Tyr Leu

1	5	10	15
Asn Tyr Leu Tyr Phe His His His Leu Pro Val Pro Asn Thr Xaa			
20	25	30	

<210> 450

<211> 101

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals stop translation

<400> 450

Met Gly Phe Phe Phe Val Leu Phe Phe Leu Tyr Leu Ala Leu Ser Arg
1 5 10 15

Asp Trp Ser Ile Asn Phe Leu Lys Asp His Arg Ile Asn Phe Phe Val
20 25 30

Ala Thr Ser Tyr Phe Ser Val Tyr Val Arg Gly Xaa Pro Xaa Val Pro
35 40 45

Ala Asp Thr Pro Leu Gly Pro Leu Leu Ser Leu Trp Leu His His Asn
50 55 60

Ala Phe Phe Ser Ile Leu Pro Lys Phe Pro Glu Asn Xaa Xaa Phe Leu
65 70 75 80

Ile Leu Lys Lys Leu Val Val Glu Met Gly Trp Asp Leu Phe Ile Ser
85 90 95

Pro Glu Asn Lys Xaa
100

<210> 451
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 451
 Met Ala Arg Tyr Phe Ile Phe Phe Ile Leu Val Phe Met Lys Val Ser
 1 5 10 15
 Leu Asn Thr Thr Trp Pro Ala Pro Arg Pro Ala Thr Leu Arg Thr Ala
 20 25 30
 Asn Lys Ser Lys Xaa
 35

<210> 452
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals stop translation

<400> 452
 Phe Ser Thr Ile Arg Ser Gly Leu Thr Asp Arg Ser Val Asn Phe Leu
 1 5 10 15
 Phe Leu Phe Leu Asp Val Pro Asp Cys Arg Leu Val Asn Ile Glu Leu
 20 25 30
 Met Ala Asn Ser Thr Val Thr His Ala Xaa
 35 40

<210> 453
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 453
 Met Ser Glu Trp Glu Leu Ser Ser Lys Phe Ser Gln Thr Gln Arg Gln
 1 5 10 15
 His Cys Leu Leu Leu Asn Asp Tyr Ser Phe Leu Pro Val Phe Trp Tyr
 20 25 30
 Phe Leu Gly Ile Leu Leu Thr Thr Ala Ile Thr Leu Phe Tyr Phe His
 35 40 45

<210> 454
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals stop translation

<400> 454
 Met Pro Trp Arg Arg Ala Gly Leu Met Met Leu Pro Ile Ile Thr Gly
 1 5 10 15
 Cys Cys Pro Cys Ser Ala Ser Ile Xaa
 20 25

<210> 455
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 455
 Met Tyr Leu Cys Lys Thr Val Lys Val Leu Ile Cys Tyr Asp Trp Ile
 1 5 10 15
 Leu Gly Leu Val Ser Ser Gly Gln His Trp Val Val Ser Leu Ser Tyr
 20 25 30
 Ser Ile Arg Val Tyr Pro Ala Met His Phe Thr Leu Cys Val His Ile
 35 40 45
 Tyr Ser Lys Glu Pro Cys
 50

<210> 456
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals stop translation

<400> 456
 Met Thr Ala Leu Val Trp Arg Lys Gly Pro Asp Gly Gly Ser Arg Lys
 1 5 10 15
 Pro Ile Leu Leu Leu Phe Phe Phe Leu Pro Leu Ile Leu Cys Phe His
 20 25 30

Ser Phe Ile His Ser Ser Asn Ile Cys Xaa
 35 40

<210> 457

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals stop translation

<400> 457

Met Phe Leu Thr Thr Trp Phe Leu Leu Leu Ser Val Ala Trp Xaa Ala
 1 5 10 15

Leu Thr Arg Ser Gly Arg Ser Cys Leu Pro Leu Val Gly Arg Pro Arg
 20 25 30

Glu Gln Ser Pro Arg Thr His Cys Ala Ala Ser Ser Thr Lys Glu Arg
 35 40 45

Asn Ser Asp Pro Gln Pro Ser Pro Pro Glu Val Val Gly Pro Leu Trp
 50 55 60

Ser Xaa
 65

<210> 458

<211> 156

<212> PRT

<213> Homo sapiens

<400> 458

Met Lys Ala Ile Gly Ile Glu Pro Ser Leu Ala Thr Tyr His His Ile
 1 5 10 15

Ile Arg Leu Phe Asp Gln Pro Gly Asp Pro Leu Lys Arg Ser Ser Phe
 20 25 30

Ile Ile Tyr Asp Ile Met Asn Glu Leu Met Gly Lys Arg Phe Ser Pro
 35 40 45

Lys Asp Pro Asp Asp Asp Lys Phe Phe Gln Ser Ala Met Ser Ile Cys
 50 55 60

Ser Ser Leu Arg Asp Leu Glu Leu Ala Tyr Gln Val His Gly Leu Leu
 65 70 75 80

Lys Thr Gly Asp Asn Trp Lys Phe Ile Gly Pro Asp Gln His Arg Asn

85

90

95

Phe Tyr Tyr Ser Lys Phe Phe Asp Leu Ile Cys Leu Met Glu Gln Ile
 100 105 110

Asp Val Thr Leu Lys Trp Tyr Glu Asp Leu Ile Pro Ser Ala Tyr Phe
 115 120 125

Pro His Ser Gln Thr Met Ile His Leu Leu Gln Ala Leu Asp Val Ala
 130 135 140

Asn Arg Leu Glu Val Ile Pro Lys Ile Trp Glu Arg
 145 150 155

<210> 459

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 459

Met Asn Asp Asn Ser Pro Asn His Ser Ser Ser Tyr Leu Pro Leu Pro
 1 5 10 15

Leu Thr Ile Val Ile Leu Gln Thr Gly His Lys Gly Thr Leu Xaa
 20 25 30

<210> 460

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (57)

<223> Xaa equals stop translation

<400> 460

Met His Phe Leu Phe Arg Phe Ile Val Phe Phe Tyr Leu Trp Gly Leu
 1 5 10 15

Phe Thr Ala Gln Arg Gln Lys Lys Glu Glu Ser Thr Glu Glu Val Lys
 20 25 30

Ile Glu Val Leu His Arg Pro Glu Asn Cys Ser Lys Thr Ser Lys Lys
 35 40 45

Gly Asp Leu Leu Lys Cys Pro Leu Xaa
 50 55

<210> 461

<211> 416
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (338)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (416)
 <223> Xaa equals stop translation

<400> 461

Met Arg Thr Leu Phe Asn Leu Leu Trp Leu Ala Leu Ala Cys Ser Pro
 1 5 10 15

Val His Thr Thr Leu Ser Lys Ser Asp Ala Lys Lys Ala Ala Ser Lys
 20 25 30

Thr Leu Leu Glu Lys Ser Gln Phe Ser Asp Lys Pro Val Gln Asp Arg
 35 40 45

Gly Leu Val Val Thr Asp Leu Lys Ala Glu Ser Val Val Leu Glu His
 50 55 60

Arg Ser Tyr Cys Ser Ala Lys Ala Arg Asp Arg His Phe Ala Gly Asp
 65 70 75 80

Val Leu Gly Tyr Val Thr Pro Trp Asn Ser His Gly Tyr Asp Val Thr
 85 90 95

Lys Val Phe Gly Ser Lys Phe Thr Gln Ile Ser Pro Val Trp Leu Gln
 100 105 110

Leu Lys Arg Arg Gly Arg Glu Met Phe Glu Val Thr Gly Leu His Asp
 115 120 125

Val Asp Gln Gly Trp Met Arg Ala Val Arg Lys His Ala Lys Gly Leu
 130 135 140

His Ile Val Pro Arg Leu Leu Phe Glu Asp Trp Thr Tyr Asp Asp Phe
 145 150 155 160

Arg Asn Val Leu Asp Ser Glu Asp Glu Ile Glu Glu Leu Ser Lys Thr
 165 170 175

Val Val Gln Val Ala Lys Asn Gln His Phe Asp Gly Phe Val Val Glu
 180 185 190

Val Trp Asn Gln Leu Leu Ser Gln Lys Arg Val Gly Leu Ile His Met
 195 200 205

Leu Thr His Leu Ala Glu Ala Leu His Gln Ala Arg Leu Leu Ala Leu
 210 215 220

Leu Val Ile Pro Pro Ala Ile Thr Pro Gly Thr Asp Gln Leu Gly Met

225		230		235		240
Phe Thr His Lys Glu Phe Glu Gln Leu Ala Pro Val Leu Asp Gly Phe						
	245			250		255
Ser Leu Met Thr Tyr Asp Tyr Ser Thr Ala His Gln Pro Gly Pro Asn						
	260			265		270
Ala Pro Leu Ser Trp Val Arg Ala Cys Val Gln Val Leu Asp Pro Lys						
	275			280		285
Ser Lys Trp Arg Ser Lys Ile Leu Leu Gly Leu Asn Phe Tyr Gly Met						
	290			295		300
Asp Tyr Ala Thr Ser Lys Asp Ala Arg Glu Pro Val Val Gly Ala Arg						
	305			310		315
Tyr Ile Gln Thr Leu Lys Asp His Arg Pro Arg Met Val Trp Asp Ser						
	325			330		335
Gln Xaa Ser Glu His Phe Phe Glu Tyr Lys Lys Ser Arg Ser Gly Arg						
	340			345		350
His Val Val Phe Tyr Pro Thr Leu Lys Ser Leu Gln Val Arg Leu Glu						
	355			360		365
Leu Ala Arg Glu Leu Gly Val Gly Val Ser Ile Trp Glu Leu Ala Arg						
	370			375		380
Ala Trp Thr Thr Ser Thr Thr Cys Ser Arg Trp Ala Leu Arg Pro Pro						
	385			390		395
Arg Trp Thr Cys Ser Phe Leu Ser His Gly Val Ser Glu Gln Val Xaa						
	405			410		415

<210> 462

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56).

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 462

Met Ala Pro Gly Pro Leu Ser Ala Thr Gln Ala Val Val Ile His Thr
1 5 10 15

Thr His Cys Leu Gln Leu Pro Val Trp Cys Leu Ser Leu Val Ser Glu
20 25 30

Leu Leu Gly Arg Ala Pro Pro His Asn Lys Asp Ala Leu Arg Pro Ser
35 40 45

Lys Lys Lys Lys Lys Lys Leu Xaa Gly Gly Pro Val Pro Ile Pro Pro
 50 55 60

<210> 463

<211> 206

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (206)

<223> Xaa equals stop translation

<400> 463

Met Leu Gly Ala Lys Pro His Trp Leu Pro Gly Pro Leu His Ser Pro
 1 5 10 15

Gly Leu Pro Leu Val Leu Val Leu Leu Ala Leu Gly Ala Gly Trp Ala
 20 25 30

Gln Glu Gly Ser Glu Pro Val Leu Leu Glu Gly Glu Cys Leu Val Val
 35 40 45

Cys Glu Pro Gly Arg Ala Ala Ala Gly Gly Pro Gly Gly Ala Ala Leu
 50 55 60

Gly Glu Ala Pro Pro Gly Arg Val Ala Phe Ala Ala Val Arg Ser Xaa
 65 70 75 80

His His Glu Pro Ala Gly Glu Thr Gly Asn Gly Thr Xaa Gly Ala Ile
 85 90 95

Tyr Phe Asp Gln Val Leu Val Asn Glu Gly Gly Gly Phe Asp Arg Ala
 100 105 110

Ser Gly Ser Phe Val Ala Pro Val Arg Gly Val Tyr Ser Phe Arg Phe
 115 120 125

His Val Val Lys Val Tyr Asn Arg Gln Thr Val Gln Val Ser Leu Met
 130 135 140

Leu Asn Thr Trp Pro Val Ile Ser Ala Phe Ala Asn Asp Pro Asp Val
 145 150 155 160

Gly Phe Gln Ala Lys Ile Phe Pro Glu Ile Leu Leu Cys Leu Leu Leu
65 70 75 80

Ala Leu Phe Ala Ser Gly Leu Ile His Arg Val Cys Val Thr Thr Cys
 85 90 95

Phe Ile Phe Ser Met Val Gly Leu Tyr Tyr Ile Asn Lys Ile Ser Ser
 100 105 110

Thr Leu Tyr Gln Ala Ala Ala Pro Val Leu Thr Pro Ala Lys Val Thr
 115 120 125

Gly Lys Ser Lys Lys Arg Asn Xaa
 130 135

<210> 466
 <211> 50
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals stop translation

<400> 466
 Met Cys Leu Ser Arg Trp Lys Ile Phe Tyr Thr Leu Leu Ile Leu Phe
 1 5 10 15

Xaa Xaa Phe Ser Ile Thr Ser Glu Xaa Glu Thr Phe Tyr Met Ile Ile
 20 25 30

Ile His His Asn Pro Thr Gln Ile Thr Ala Ser Cys Ser Phe Thr Phe
 35 40 45

Leu Xaa
 50

<210> 467
 <211> 71
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals stop translation

<400> 467
 Met Trp Gly Cys Ser Gly Leu Gly His Arg Thr Val Ser Phe Leu Leu
 1 5 10 15
 Leu Leu Pro Cys Ser Phe Pro Arg Pro Cys Xaa Leu Phe Gly Leu Ile
 20 25 30
 Pro Ile Ser Arg Pro Cys Lys Val Glu Ala Pro Arg Leu Ser Val Pro
 35 40 45
 Xaa Leu Ser Cys Ala Ser His Pro Tyr Cys Asn Cys Pro Met Ser Thr
 50 55 60
 Ser Cys Pro Leu Pro Arg Xaa
 65 70

<210> 468
 <211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (59)
 <223> Xaa equals stop translation

<400> 468
 Asp Phe Val Pro Val Leu Val Phe Val Leu Ile Lys Ala Asn Pro Pro
 1 5 10 15
 Cys Leu Leu Ser Thr Val Gln Tyr Ile Ser Ser Phe Tyr Ala Ser Cys
 20 25 30
 Leu Ser Gly Glu Glu Ser Tyr Trp Trp Met Gln Phe Thr Ala Ala Val
 35 40 45
 Glu Phe Ile Lys Thr Ile Asp Asp Arg Lys Xaa
 50 55

<210> 469
 <211> 59
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 469

Met	Phe	Ser	Arg	Thr	Ser	Asn	Phe	Trp	Thr	Phe	Phe	Phe	Gln	Phe	Leu
1				5					10					15	

Ile	Phe	Lys	Val	Phe	Leu	Val	Leu	Lys	Asn	Xaa	Phe	Thr	Ser	Gln	Lys
		20					25						30		

Ile	Xaa	Xaa	Ile	Xaa	Xaa	Glu	Lys	Pro	Lys	Lys	Lys	Lys	Xaa	Arg	Gly
		35					40						45		

Gly	Arg	Ala	Pro	Ser	Pro	Gln	Gly	Gly	Pro	Xaa
	50					55				

<210> 470

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals stop translation

<400> 470

Met	Ser	Ser	Leu	Leu	Ser	Ala	Gly	Leu	Gln	Ala	Ser	Leu	Cys	Gly	Lys
1				5				10						15	

Xaa	Leu	Trp	Ala	Ser	Thr	Trp	Tyr	Leu	Val	Cys	Cys	Leu	Leu	Pro	Phe
			20					25					30		

Phe	His	Gln	Gly	Cys	Cys	Asp	His	Lys	Ser	Lys	Gln	Gln	Tyr	Ile	Pro
		35						40				45			

Asn	Leu	Lys	Ser	Tyr	Cys	Gly	Leu	Ser	Thr	Ile	Glu	Ile	Xaa
	50					55						60	

<210> 471

<211> 316

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (302)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (305)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (316)

<223> Xaa equals stop translation

<400> 471

Met	Ser	Thr	Lys	Lys	Leu	Cys	Ile	Val	Gly	Gly	Ile	Leu	Leu	Val	Phe
1				5					10					15	

Gln	Ile	Ile	Ala	Phe	Leu	Val	Gly	Gly	Leu	Ile	Ala	Pro	Gly	Pro	Thr
			20					25					30		

Thr	Ala	Val	Ser	Tyr	Met	Ser	Val	Lys	Cys	Val	Asp	Ala	Arg	Lys	Asn
		35						40					45		

His	His	Lys	Thr	Lys	Trp	Phe	Val	Pro	Trp	Gly	Pro	Asn	His	Cys	Asp
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

50	55	60
Lys Ile Arg Asp Ile Glu Glu Ala Ile Pro Arg Glu Ile Glu Ala Asn 65 70 75 80		
Asp Ile Val Phe Ser Val His Ile Pro Leu Pro His Met Glu Met Ser 85 90 95		
Pro Trp Phe Gln Phe Met Xaa Phe Ile Leu Gln Leu Asp Ile Ala Phe 100 105 110		
Lys Leu Asn Asn Gln Ile Arg Glu Asn Ala Glu Val Ser Met Asp Val 115 120 125		
Ser Leu Ala Tyr Arg Asp Asp Ala Phe Ala Glu Trp Thr Glu Met Ala 130 135 140		
His Glu Arg Val Pro Arg Lys Leu Lys Cys Thr Phe Thr Ser Pro Lys 145 150 155 160		
Thr Pro Glu His Gly Gly Pro Val Thr Met Asn Val Met Ser Phe Leu 165 170 175		
Ser Trp Lys Leu Gly Leu Trp Pro Met Lys Phe Tyr Leu Leu Asn Ile 180 185 190		
Arg Leu Pro Val Asn Glu Lys Lys Lys Ile Asn Val Gly Ile Gly Glu 195 200 205		
Ile Lys Asp Ile Arg Leu Val Gly Ile His Gln Asn Gly Gly Phe Thr 210 215 220		
Lys Val Trp Phe Ala Met Lys Thr Phe Leu Thr Pro Ser Ile Phe Ile 225 230 235 240		
Ile Met Val Trp Tyr Trp Arg Arg Ile Thr Met Met Ser Arg Pro Pro 245 250 255		
Val Leu Leu Glu Lys Val Ile Phe Ala Leu Gly Ile Ser Met Thr Phe 260 265 270		
Ile Asn Ile Pro Val Glu Trp Phe Ser Ile Gly Phe Asp Trp Thr Trp 275 280 285		
Met Leu Leu Phe Gly Asp Ile Arg Gln Ala Ser Ser Met Xaa Cys Phe 290 295 300		
Xaa Pro Ser Gly Ser Ser Ser Val Ala Ser Thr Xaa 305 310 315		

<210> 472

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals stop translation

<400> 472

Met Leu Ala Leu Leu Gly Leu Leu Ala Gly Thr Glu His Pro Pro Gly
1 5 10 15

Pro Gln Gly Pro Gly Pro Ser Xaa
20

<210> 473

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals stop translation

<400> 473

Met Pro Ser Gly Ala Cys Cys Ser Pro Xaa
1 5 10

<210> 474

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals stop translation

<400> 474

Tyr Val Met Ile Phe Lys Lys Glu Phe Ala Pro Ser Asp Glu Glu Leu
1 5 10 15

Asp Ser Tyr Arg Arg Gly Glu Glu Trp Asp Pro Gln Lys Ala Glu Glu
20 25 30

Lys Arg Asn Xaa Lys Glu Leu Ala Gln Arg Gln Xaa Gly Gly Gly Ser
35 40 45

Pro Ala Gly Ala Cys Gly Gly Glu Pro Cys Gln Arg Leu Gln Gly Gln
50 55 60

Val Gln Pro Pro His Arg Gln Gly Ser Ser Gln Arg Arg Ser Pro His
 65 70 75 80

Ala Thr Gly Gln Xaa
 85

<210> 475

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals stop translation

<400> 475

Met Leu Pro Ala Leu Ser Thr Val Leu Leu Pro Thr Pro Ser Leu Cys
 1 5 10 15

Ser Gly Asn Pro Arg Glu Gly Trp Ala Xaa
 20 25

<210> 476

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals stop translation

<400> 476

Lys Glu Phe Phe Val Phe Leu Phe Val Cys Leu Phe Trp Leu Leu Ser
 1 5 10 15

Asn Thr Pro Leu Thr Phe Ile Ser Ile Ile Leu Gln Arg Lys Glu Thr
 20 25 30

Asn Xaa

<210> 477

<211> 172

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (172)
 <223> Xaa equals stop translation

<400> 477

Met Tyr Ser Leu His Ser Trp Val Gly Leu Ile Ala Val Ile Cys Tyr
 1 5 10 15

Leu Leu Gln Leu Leu Ser Gly Phe Ser Val Phe Leu Leu Pro Trp Ala
 20 25 30

Pro Leu Ser Leu Arg Ala Phe Leu Met Pro Ile His Val Tyr Ser Gly
 35 40 45

Ile Val Ile Phe Gly Thr Val Ile Ala Thr Ala Leu Met Gly Leu Thr
 50 55 60

Glu Lys Leu Ile Phe Ser Leu Arg Asp Pro Ala Tyr Ser Thr Phe Pro
 65 70 75 80

Pro Glu Gly Val Phe Val Asn Thr Leu Gly Leu Leu Ile Leu Val Phe
 85 90 95

Gly Ala Leu Ile Phe Trp Ile Val Thr Arg Pro Gln Trp Lys Arg Pro
 100 105 110

Lys Glu Pro Asn Ser Thr Ile Leu His Pro Asn Gly Gly Thr Glu Gln
 115 120 125

Gly Ala Arg Gly Ser Met Pro Ala Tyr Ser Gly Asn Asn Met Asp Lys
 130 135 140

Ser Asp Ser Glu Leu Asn Xaa Glu Val Ala Ala Arg Lys Arg Asn Leu
 145 150 155 160

Ala Leu Asp Glu Ala Gly Gln Arg Ser Thr Met Xaa
 165 170

<210> 478

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals stop translation

<400> 478

Met Cys Ile His Val Phe Met Xaa Val Leu Trp Val Leu Phe Leu Leu
 1 5 10 15

Asn Pro Leu Cys Thr Gly Leu Trp Pro Leu Xaa Asn Cys Phe Ser Val
 20 25 30

Leu Arg His Ala Asp Trp Val Leu Gly Ala Asp Tyr Lys Gly Glu Glu
 35 40 45

Leu Asn Arg His Gln Gly Pro Met Lys Pro Lys Asp Xaa
 50 55 60

<210> 479

<211> 3

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals stop translation

<400> 479

Gly Arg Xaa ;

1

<210> 480

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals stop translation

<400> 480

Met Phe His Val Leu Met Ala Gln Val Thr Xaa Val Ile Ile Thr Thr
 1 5 10 15

Val Ser Val Leu Val Phe Asp Phe Arg Pro Ser Leu Glu Phe Phe Leu
 20 25 30

Glu Ala Xaa Ser Val Xaa Leu Ser Ile Phe Ile Tyr Asn Ala Ser Lys
 35 40 45

Pro Gln Val Pro Glu Tyr Ala Pro Arg Gln Glu Arg Ile Arg Asp Leu
 50 55 60

Ser Gly Asn Leu Trp Glu Arg Ser Ser Gly Asp Gly Glu Glu Leu Glu
 65 70 75 80

Arg Leu Thr Lys Pro Lys Ser Asp Glu Ser Asp Glu Asp Thr Phe Xaa
 85 90 95

<210> 481
 <211> 171
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (159)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (171)
 <223> Xaa equals stop translation

<400> 481
 Met Arg Gly Pro Ala Gln Ala Lys Leu Leu Pro Gly Ser Ala Ile Gln
 1 5 10 15

Ala Leu Val Gly Leu Ala Arg Pro Leu Val Leu Ala Leu Leu Leu Val
 20 25 30

Ser Ala Ala Leu Ser Ser Val Val Ser Arg Thr Asp Ser Pro Ser Pro
 35 40 45

Thr Val Leu Asn Ser His Ile Ser Thr Pro Asn Val Asn Ala Leu Thr
 50 55 60

His Glu Asn Gln Thr Lys Pro Ser Ile Ser Gln Ile Ser Thr Thr Leu
 65 70 75 80

Pro Pro Thr Thr Ser Thr Lys Lys Ser Gly Gly Ala Ser Val Val Pro
 85 90 95

His Pro Ser Pro Thr Pro Leu Ser Gln Glu Glu Ala Asp Asn Asn Glu
 100 105 110

Asp Pro Ser Ile Glu Glu Glu Asp Leu Leu Met Leu Asn Ser Ser Pro


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<210> 482
<211> 623
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (575)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 482
Met Phe Met Arg Ile Ala Lys Ala Tyr Ala Ala Leu Thr Asp Glu Glu
  1               5               10               15

Ser Arg Lys Asn Trp Glu Glu Phe Gly Asn Pro Asp Gly Pro Gln Ala
      20               25               30

Thr Ser Phe Gly Ile Ala Leu Pro Ala Trp Ile Val Asp Gln Lys Asn
      35               40               45

Ser Ile Leu Val Leu Leu Val Tyr Gly Leu Ala Phe Met Val Ile Leu
      50               55               60

Pro Val Val Val Gly Ser Trp Trp Tyr Arg Ser Ile Arg Tyr Ser Gly
  65               70               75               80

Asp Gln Ile Leu Ile Arg Thr Thr Gln Ile Tyr Thr Tyr Phe Val Tyr
      85               90               95

Lys Thr Arg Asn Met Asp Met Lys Arg Leu Ile Met Val Leu Xaa Gly
      100               105               110

Ala Ser Glu Phe Asp Pro Gln Tyr Asn Lys Asp Ala Thr Ser Arg Pro
      115               120               125

Thr Asp Asn Ile Leu Ile Pro Gln Leu Ile Arg Glu Ile Gly Ser Ile
      130               135               140

Asn Leu Lys Lys Asn Glu Pro Pro Leu Thr Cys Pro Tyr Ser Leu Lys
  145               150               155               160

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Ala Arg Val Leu Leu Leu Ser His Leu Ala Arg Met Lys Ile Pro Glu
 165 170 175
 Thr Leu Glu Glu Asp Gln Gln Phe Met Leu Lys Lys Cys Pro Ala Leu
 180 185 190
 Leu Gln Glu Met Val Asn Val Ile Cys Gln Leu Ile Val Met Ala Arg
 195 200 205
 Asn Arg Glu Glu Arg Glu Phe Arg Ala Pro Thr Leu Ala Ser Leu Glu
 210 215 220
 Asn Cys Met Lys Leu Ser Gln Met Ala Val Gln Gly Leu Gln Gln Phe
 225 230 235 240
 Lys Ser Pro Leu Leu Gln Leu Pro His Ile Glu Glu Asp Asn Leu Arg
 245 250 255
 Arg Val Ser Asn His Lys Lys Tyr Lys Ile Lys Thr Ile Gln Asp Leu
 260 265 270
 Val Ser Leu Lys Glu Ser Asp Arg His Thr Leu Leu His Phe Leu Glu
 275 280 285
 Asp Glu Lys Tyr Glu Glu Val Met Ala Val Leu Gly Ser Phe Pro Tyr
 290 295 300
 Val Thr Met Asp Ile Lys Ser Gln Val Leu Asp Asp Glu Asp Ser Asn
 305 310 315 320
 Asn Ile Thr Val Gly Ser Leu Val Thr Val Leu Val Lys Leu Thr Arg
 325 330 335
 Gln Thr Met Ala Glu Val Phe Glu Lys Glu Gln Ser Ile Cys Ala Ala
 340 345 350
 Glu Glu Gln Pro Ala Glu Asp Gly Gln Gly Glu Thr Asn Lys Asn Arg
 355 360 365
 Thr Lys Gly Gly Trp Gln Gln Lys Ser Lys Gly Pro Lys Lys Thr Ala
 370 375 380
 Lys Ser Lys Lys Lys Lys Pro Leu Lys Lys Lys Pro Thr Pro Val Leu
 385 390 395 400
 Leu Pro Gln Ser Lys Gln Gln Lys Gln Lys Gln Ala Asn Gly Val Val
 405 410 415
 Gly Asn Glu Ala Ala Val Lys Glu Asp Glu Glu Glu Val Ser Asp Lys
 420 425 430
 Gly Ser Asp Ser Glu Glu Glu Glu Thr Asn Arg Asp Ser Gln Ser Glu
 435 440 445
 Lys Asp Asp Gly Ser Asp Arg Asp Ser Asp Arg Glu Gln Asp Glu Lys
 450 455 460
 Gln Asn Lys Asp Asp Glu Ala Glu Trp Gln Glu Leu Gln Gln Ser Ile

465		470		475		480
Gln Arg Lys Glu Arg Ala Leu Leu Glu Thr Lys Ser Lys Ile Thr His						
	485			490		495
Pro Val Tyr Ser Leu Tyr Phe Pro Glu Glu Lys Gln Glu Trp Trp Trp						
	500			505		510
Leu Tyr Ile Ala Asp Arg Lys Glu Gln Thr Leu Ile Ser Met Pro Tyr						
	515			520		525
His Val Cys Thr Leu Lys Asp Thr Glu Glu Val Glu Leu Lys Phe Pro						
	530			535		540
Ala Pro Gly Lys Pro Gly Asn Tyr Gln Tyr Thr Val Phe Leu Arg Ser						
	545			550		555
Asp Ser Tyr Met Gly Leu Asp Gln Ile Lys Pro Leu Glu Val Xaa Lys						
	565			570		575
Phe Met Arg Leu Lys Pro Val Pro Glu Asn His Pro Gln Trp Asp Thr						
	580			585		590
Ala Ile Glu Gly Asp Glu Asp Gln Glu Asp Ser Glu Gly Phe Glu Asp						
	595			600		605
Ser Phe Glu Gly Gly Arg Gly Arg Glu Glu Gly Arg Trp Trp Thr						
	610			615		620

<210> 483

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (92)

<223> Xaa equals stop translation

<400> 483

Met Lys Ala Ser Gln Cys Cys Cys Cys Leu Ser His Leu Leu Ala Ser

1

5

10

15

Val Leu Leu Leu Leu Leu Leu Pro Glu Leu Ser Gly Xaa Leu Xaa Val
 20 25 30

Leu Leu Gln Ala Ala Glu Ala Ala Pro Gly Xaa Gly Pro Pro Asp Pro
 35 40 45

Arg Pro Gly His Tyr Arg Arg Cys His Arg Ala Leu Thr Pro Ala Gln
 50 55 60

Gln Pro Gly Arg Gly Leu Ala Glu Ala Ala Gly Ala Ala Gly Leu Arg
 65 70 75 80

Gly Arg Gln Trp Gln Gln Pro Cys Gly Arg Ala Xaa
 85 90

<210> 484

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals stop translation

<400> 484

Met Phe Lys Cys Leu Gln Thr Thr Phe Leu Phe Ile Xaa Xaa
 1 5 10

<210> 485

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (54)

<223> Xaa equals stop translation

<400> 485

Ile Leu Leu Cys Ser Trp Pro Thr Gly Leu Val Gly Gly Arg Asp Pro
 1 5 10 15

Gly Ser Ser Arg Gly Ser Ser Ala Ser Leu Thr Pro Ser Pro Gly Arg
 20 25 30

Gln Pro Cys Ser Arg Arg Arg Gly Tyr Ser Val Gly Arg Arg Ser Ser
 35 40 45

Pro Pro Asp Gly Ser Xaa

50

<210> 486
 <211> 22
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals stop translation

<400> 486
 Met Ala Phe Val Leu Leu Xaa Cys Phe Val Xaa Leu Gln Ser Ser Xaa
 1 5 10 15
 Gly Arg Ala Val Gln Xaa
 20

<210> 487
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 487
 Glu Asn Met Ile Cys Val Lys Cys Leu Pro Gln Tyr Pro Glu His Ser
 1 5 10 15
 Lys His Val

<210> 488
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 488
 Ala Arg Val Ala Phe His Leu Ile Cys Arg Tyr Ile Leu Pro Thr Val
 1 5 10 15

Tyr Cys His Val
20

<210> 489
<211> 20
<212> PRT
<213> Homo sapiens

<400> 489
Glu Leu Val Glu Ser Pro Gly Ala Ala Gly Asn Ser Ala Arg Ser Gly
1 5 10 15

Asn Val Val Cys
20

<210> 490
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 490
Phe Lys Lys Leu Val Asn Pro Arg Xaa Gln Gly Ile Arg His Glu Glu
1 5 10 15

Glu Ala Val Ser Trp Gln Glu Arg Arg
20 25

<210> 491
<211> 206
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 491
Ile Ser Val Leu Xaa Tyr Pro His Cys Val Val His Glu Leu Pro Glu
1 5 10 15

Leu Thr Ala Glu Ser Leu Glu Ala Gly Asp Ser Asn Gln Phe Cys Trp
20 25 30

Arg Asn Leu Phe Ser Cys Ile Asn Leu Leu Arg Ile Leu Asn Lys Leu
35 40 45

Thr Lys Trp Lys His Ser Arg Thr Met Met Leu Val Val Phe Lys Ser
50 55 60

Ala Pro Ile Leu Lys Arg Ala Leu Lys Val Lys Gln Ala Met Met Gln
65 70 75 80

Leu Tyr Val Leu Lys Leu Leu Lys Val Gln Thr Lys Tyr Leu Gly Arg
85 90 95

Gln Trp Arg Lys Ser Asn Met Lys Thr Met Ser Ala Ile Tyr Gln Lys
100 105 110

Val Arg His Arg Leu Asn Asp Asp Trp Ala Tyr Gly Asn Asp Leu Asp
115 120 125

Ala Arg Pro Trp Asp Phe Gln Ala Glu Glu Cys Ala Leu Arg Ala Asn
130 135 140

Ile Glu Arg Phe Asn Ala Arg Arg Tyr Asp Arg Ala His Ser Asn Pro
145 150 155 160

Asp Phe Leu Pro Val Asp Asn Cys Leu Gln Ser Val Leu Gly Gln Arg
165 170 175

Val Asp Leu Pro Glu Asp Phe Gln Met Asn Tyr Asp Leu Trp Leu Glu
180 185 190

Arg Glu Val Phe Ser Lys Pro Ile Ser Trp Glu Glu Leu Leu
195 200 205

<210> 492

<211> 507

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 492

Met Arg Ala Ala Ser Pro Pro Ala Ser Ala Ser Asp Leu Ile Glu Gln
1 5 10 15

Gln Gln Lys Arg Gly Arg Arg Glu His Lys Ala Leu Ile Lys Gln Asp
20 25 30

Asn Leu Asp Ala Phe Asn Glu Arg Asp Pro Tyr Lys Ala Asp Asp Ser
35 40 45

Arg Glu Glu Glu Glu Glu Asn Asp Asp Asp Asn Ser Leu Glu Gly Glu
50 55 60

Thr Phe Pro Leu Glu Arg Asp Glu Val Met Pro Pro Pro Leu Gln His
65 70 75 80

Pro Gln Thr Asp Arg Leu Xaa Cys Pro Lys Gly Leu Pro Trp Xaa Pro
 85 90 95
 Lys Val Arg Glu Lys Asp Ile Glu Met Phe Leu Glu Ser Ser Arg Ser
 100 105 110
 Lys Phe Ile Gly Tyr Thr Leu Gly Ser Asp Thr Asn Thr Val Val Gly
 115 120 125
 Leu Pro Arg Pro Ile His Glu Ser Ile Lys Thr Leu Lys Gln His Lys
 130 135 140
 Tyr Thr Ser Ile Ala Glu Val Gln Ala Gln Met Glu Glu Glu Tyr Leu
 145 150 155 160
 Arg Ser Pro Leu Ser Gly Gly Glu Glu Glu Val Glu Gln Val Pro Ala
 165 170 175
 Glu Thr Leu Tyr Gln Gly Leu Leu Pro Ser Leu Pro Gln Tyr Met Ile
 180 185 190
 Ala Leu Leu Lys Ile Leu Leu Ala Ala Ala Pro Thr Ser Lys Ala Lys
 195 200 205
 Thr Asp Ser Ile Asn Ile Leu Ala Asp Val Leu Pro Glu Glu Met Pro
 210 215 220
 Thr Thr Val Leu Gln Ser Met Lys Leu Gly Val Asp Val Asn Arg His
 225 230 235 240
 Lys Glu Val Ile Val Lys Ala Ile Ser Ala Val Leu Leu Leu Leu Leu
 245 250 255
 Lys His Phe Lys Leu Asn His Val Tyr Gln Phe Glu Tyr Met Ala Gln
 260 265 270
 His Leu Val Phe Ala Asn Cys Ile Pro Leu Ile Leu Lys Phe Phe Asn
 275 280 285
 Gln Asn Ile Met Ser Tyr Ile Thr Ala Lys Asn Ser Ile Ser Val Leu
 290 295 300
 Asp Tyr Pro His Cys Val Val His Glu Leu Pro Glu Leu Thr Ala Glu
 305 310 315 320
 Ser Leu Glu Ala Gly Asp Ser Asn Gln Phe Cys Trp Arg Asn Leu Phe
 325 330 335
 Ser Cys Ile Asn Leu Leu Arg Ile Leu Asn Lys Leu Thr Lys Trp Lys
 340 345 350
 His Ser Arg Thr Met Met Leu Val Val Phe Lys Ser Ala Pro Ile Leu
 355 360 365
 Lys Arg Ala Leu Lys Val Lys Gln Ala Met Met Gln Leu Tyr Val Leu
 370 375 380

Lys Leu Leu Lys Val Gln Thr Lys Tyr Leu Gly Arg Gln Trp Arg Lys
385 390 395 400

Ser Asn Met Lys Thr Met Ser Ala Ile Tyr Gln Lys Val Arg His Arg
405 410 415

Leu Asn Asp Asp Trp Ala Tyr Gly Asn Asp Leu Asp Ala Arg Pro Trp
420 425 430

Asp Phe Gln Ala Glu Glu Cys Ala Leu Arg Ala Asn Ile Glu Arg Phe
435 440 445

Asn Ala Arg Arg Tyr Asp Arg Ala His Ser Asn Pro Asp Phe Leu Pro
450 455 460

Val Asp Asn Cys Leu Gln Ser Val Leu Gly Gln Arg Val Asp Leu Pro
465 470 475 480

Glu Asp Phe Gln Met Asn Tyr Asp Leu Trp Leu Glu Arg Glu Val Phe
485 490 495

Ser Lys Pro Ile Ser Trp Glu Glu Leu Leu Gln
500 505

<210> 493

<211> 50

<212> PRT

<213> Homo sapiens

<400> 493

Met Arg Ala Ala Ser Pro Pro Ala Ser Ala Ser Asp Leu Ile Glu Gln
1 5 10 15

Gln Gln Lys Arg Gly Arg Arg Glu His Lys Ala Leu Ile Lys Gln Asp
20 25 30

Asn Leu Asp Ala Phe Asn Glu Arg Asp Pro Tyr Lys Ala Asp Asp Ser
35 40 45

Arg Glu
50

<210> 494

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

0> 494

Glu Glu Glu Asn Asp Asp Asp Asn Ser Leu Glu Gly Glu Thr Phe
5 10 15

Leu Glu Arg Asp Glu Val Met Pro Pro Pro Leu Gln His Pro Gln
20 25 30

Asp Arg Leu Xaa Cys Pro Lys Gly Leu Pro Trp Xaa
35 40 45

10> 495

11> 51

12> PRT

13> Homo sapiens

00> 495

Lys Val Arg Glu Lys Asp Ile Glu Met Phe Leu Glu Ser Ser Arg
1 5 10 15

Lys Phe Ile Gly Tyr Thr Leu Gly Ser Asp Thr Asn Thr Val Val
20 25 30

y Leu Pro Arg Pro Ile His Glu Ser Ile Lys Thr Leu Lys Gln His
35 40 45

s Tyr Thr
50

110> 496

111> 47

112> PRT

113> Homo sapiens

100> 496

er Ile Ala Glu Val Gln Ala Gln Met Glu Glu Glu Tyr Leu Arg Ser
1 5 10 15

ro Leu Ser Gly Gly Glu Glu Glu Val Glu Gln Val Pro Ala Glu Thr
20 25 30

eu Tyr Gln Gly Leu Leu Pro Ser Leu Pro Gln Tyr Met Ile Ala
35 40 45

210> 497

211> 48

212> PRT

213> Homo sapiens

400> 497

eu Leu Lys Ile Leu Leu Ala Ala Ala Pro Thr Ser Lys Ala Lys Thr
1 5 10 15

asp Ser Ile Asn Ile Leu Ala Asp Val Leu Pro Glu Glu Met Pro Thr
20 25 30

Thr Met Met Leu Val Val Phe Lys Ser Ala Pro Ile Leu Lys Arg Ala
20 25 30

Leu Lys Val Lys Gln Ala Met Met Gln Leu Tyr Val Leu Lys Leu
 35 40 45

<210> 501
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 501
 Leu Lys Val Gln Thr Lys Tyr Leu Gly Arg Gln Trp Arg Lys Ser Asn
 1 5 10 15

Met Lys Thr Met Ser Ala Ile Tyr Gln Lys Val Arg His Arg Leu Asn
 20 25 30

Asp Asp Trp Ala Tyr Gly Asn Asp Leu Asp Ala Arg Pro
 35 40 45

<210> 502
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 502
 Trp Asp Phe Gln Ala Glu Glu Cys Ala Leu Arg Ala Asn Ile Glu Arg
 1 5 10 15

Phe Asn Ala Arg Arg Tyr Asp Arg Ala His Ser Asn Pro Asp Phe Leu
 20 25 30

Pro Val Asp Asn Cys Leu Gln Ser Val Leu Gly Gln Arg Val Asp Leu
 35 40 45

<210> 503
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 503
 Pro Glu Asp Phe Gln Met Asn Tyr Asp Leu Trp Leu Glu Arg Glu Val
 1 5 10 15

Phe Ser Lys Pro Ile Ser Trp Glu Glu Leu Leu Gln
 20 25

<210> 504
 <211> 317
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 504

Met	Ala	Pro	Pro	Ala	Pro	Gly	Pro	Ala	Ser	Gly	Gly	Ser	Gly	Glu	Val
1				5					10					15	
Asp	Glu	Leu	Phe	Asp	Val	Lys	Asn	Ala	Phe	Tyr	Ile	Gly	Ser	Tyr	Gln
			20					25					30		
Gln	Cys	Ile	Asn	Glu	Ala	Xaa	Xaa	Val	Lys	Leu	Ser	Ser	Pro	Glu	Arg
		35						40					45		
Asp	Val	Glu	Arg	Asp	Val	Phe	Leu	Tyr	Arg	Ala	Tyr	Leu	Ala	Gln	Arg
		50					55				60				
Lys	Phe	Gly	Val	Val	Leu	Asp	Glu	Ile	Lys	Pro	Ser	Ser	Ala	Pro	Glu
	65					70				75					80
Leu	Gln	Ala	Val	Arg	Met	Phe	Ala	Asp	Tyr	Leu	Ala	His	Glu	Ser	Arg
				85					90					95	
Arg	Asp	Ser	Ile	Val	Ala	Glu	Leu	Asp	Arg	Glu	Met	Ser	Arg	Ser	Xaa
			100					105					110		
Asp	Val	Thr	Asn	Thr	Thr	Phe	Leu	Leu	Met	Ala	Ala	Ser	Ile	Tyr	Leu
		115					120						125		
His	Asp	Gln	Asn	Pro	Asp	Ala	Ala	Leu	Arg	Ala	Leu	His	Gln	Gly	Asp
	130						135				140				
Ser	Leu	Glu	Cys	Thr	Ala	Met	Thr	Val	Gln	Ile	Leu	Leu	Lys	Leu	Asp
145					150					155					160
Arg	Leu	Asp	Leu	Ala	Arg	Lys	Glu	Leu	Lys	Arg	Met	Gln	Asp	Leu	Asp
			165						170					175	
Glu	Asp	Ala	Thr	Leu	Thr	Gln	Leu	Ala	Thr	Ala	Trp	Val	Ser	Leu	Ala
		180					185						190		
Thr	Gly	Gly	Glu	Lys	Leu	Gln	Asp	Ala	Tyr	Tyr	Ile	Phe	Gln	Glu	Met
	195						200					205			
Ala	Asp	Lys	Cys	Ser	Pro	Thr	Leu	Leu	Leu	Leu	Asn	Gly	Gln	Ala	Ala
	210					215					220				
Cys	His	Met	Ala	Gln	Gly	Arg	Trp	Glu	Ala	Ala	Glu	Gly	Leu	Leu	Gln

225					230					235				240
Glu	Ala	Leu	Asp	Lys	Asp	Ser	Gly	Tyr	Pro	Glu	Thr	Leu	Val	Asn
				245					250					255
Ile	Val	Leu	Ser	Gln	His	Leu	Gly	Lys	Pro	Pro	Glu	Val	Thr	Asn
			260					265					270	Arg
Tyr	Leu	Ser	Gln	Leu	Lys	Asp	Ala	His	Arg	Ser	His	Pro	Phe	Ile
		275					280					285		Lys
Glu	Tyr	Gln	Ala	Lys	Glu	Asn	Asp	Phe	Asp	Arg	Leu	Val	Leu	Gln
	290					295					300			Tyr
Ala	Pro	Ser	Ala	Glu	Ala	Gly	Pro	Glu	Leu	Ser	Gly	Pro		
305					310					315				
<p><210> 505</p> <p><211> 261</p> <p><212> PRT</p> <p><213> Homo sapiens</p> <p><220></p> <p><221> SITE</p> <p><222> (65)</p> <p><223> Xaa equals any of the naturally occurring L-amino acids</p> <p><400> 505</p>														
Arg	Asp	Val	Glu	Arg	Asp	Val	Phe	Leu	Tyr	Arg	Ala	Tyr	Leu	Ala
1				5					10				15	Gln
Arg	Lys	Phe	Gly	Val	Val	Leu	Asp	Glu	Ile	Lys	Pro	Ser	Ser	Ala
			20					25					30	Pro
Glu	Leu	Gln	Ala	Val	Arg	Met	Phe	Ala	Asp	Tyr	Leu	Ala	His	Glu
		35					40					45		Ser
Arg	Arg	Asp	Ser	Ile	Val	Ala	Glu	Leu	Asp	Arg	Glu	Met	Ser	Arg
	50					55					60			Ser
Xaa	Asp	Val	Thr	Asn	Thr	Thr	Phe	Leu	Leu	Met	Ala	Ala	Ser	Ile
65					70					75				80
Leu	His	Asp	Gln	Asn	Pro	Asp	Ala	Ala	Leu	Arg	Ala	Leu	His	Gln
				85					90					95
Asp	Ser	Leu	Glu	Cys	Thr	Ala	Met	Thr	Val	Gln	Ile	Leu	Leu	Lys
		100						105					110	Leu
Asp	Arg	Leu	Asp	Leu	Ala	Arg	Lys	Glu	Leu	Lys	Arg	Met	Gln	Asp
	115						120					125		Leu
Asp	Glu	Asp	Ala	Thr	Leu	Thr	Gln	Leu	Ala	Thr	Ala	Trp	Val	Ser
	130					135					140			Leu
Ala	Thr	Gly	Gly	Glu	Lys	Leu	Gln	Asp	Ala	Tyr	Tyr	Ile	Phe	Gln
145					150					155				160

Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Asn Gly Gln Ala
 165 170 175

Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala Glu Gly Leu Leu
 180 185 190

Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu Thr Leu Val Asn
 195 200 205

Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro Glu Val Thr Asn
 210 215 220

Arg Tyr Leu Ser Gln Leu Lys Asp Ala His Arg Ser His Pro Phe Ile
 225 230 235 240

Lys Glu Tyr Gln Ala Lys Glu Asn Asp Phe Asp Arg Leu Val Leu Gln
 245 250 255

Tyr Ala Pro Ser Ala
 260

<210> 506

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 506

Met Ala Pro Pro Ala Pro Gly Pro Ala Ser Gly Gly Ser Gly Glu Val
 1 5 10 15

Asp Glu Leu Phe Asp Val Lys Asn Ala Phe Tyr Ile Gly Ser Tyr Gln
 20 25 30

Gln Cys Ile Asn Glu Ala Xaa Xaa Val Lys Leu Ser Ser Pro Glu Arg
 35 40 45

<210> 507

<211> 47

<212> PRT

<213> Homo sapiens

<400> 507

Asp Val Glu Arg Asp Val Phe Leu Tyr Arg Ala Tyr Leu Ala Gln Arg
 1 5 10 15

Lys Phe Gly Val Val Leu Asp Glu Ile Lys Pro Ser Ser Ala Pro Glu
 20 25 30

Leu Gln Ala Val Arg Met Phe Ala Asp Tyr Leu Ala His Glu Ser
 35 40 45

<210> 508

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 508

Arg Arg Asp Ser Ile Val Ala Glu Leu Asp Arg Glu Met Ser Arg Ser
 1 5 10 15

Xaa Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile Tyr
 20 25 30

Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln Gly
 35 40 45

<210> 509

<211> 47

<212> PRT

<213> Homo sapiens

<400> 509

Asp Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile Leu Leu Lys Leu
 1 5 10 15

Asp Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg Met Gln Asp Leu
 20 25 30

Asp Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala Trp Val Ser
 35 40 45

<210> 510

<211> 47

<212> PRT

<213> Homo sapiens

<400> 510

Leu Ala Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr Ile Phe Gln
 1 5 10 15

Glu Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu Asn Gly Gln
 20 25 30

Ala Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala Glu Gly
 35 40 45

<210> 511
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 511
 Leu Leu Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu Thr Leu
 1 5 10 15
 Val Asn Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro Glu Val
 20 25 30
 Thr Asn Arg Tyr Leu Ser Gln Leu Lys Asp Ala His Arg Ser His Pro
 35 40 45

<210> 512
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 512
 Phe Ile Lys Glu Tyr Gln Ala Lys Glu Asn Asp Phe Asp Arg Leu Val
 1 5 10 15
 Leu Gln Tyr Ala Pro Ser Ala Glu Ala Gly Pro Glu Leu Ser Gly Pro
 20 25 30

<210> 513
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 513
 Arg Asp Val Glu Arg Asp Val Phe Leu Tyr Arg Ala Tyr Leu Ala Gln
 1 5 10 15
 Arg Lys Phe Gly Val Val Leu Asp Glu Ile Lys Pro Ser Ser Ala Pro
 20 25 30
 Glu Leu Gln Ala Val Arg Met Phe Ala Asp Tyr Leu Ala His Glu
 35 40 45

10> 514
 11> 48
 12> PRT
 13> Homo sapiens

120>
 121> SITE
 122> (18)
 123> Xaa equals any of the naturally occurring L-amino acids

100> 514
 er Arg Arg Asp Ser Ile Val Ala Glu Leu Asp Arg Glu Met Ser Arg
 1 5 10 15
 er Xaa Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile
 20 25 30
 yr Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln
 35 40 45

210> 515
 211> 47
 212> PRT
 213> Homo sapiens

400> 515
 Gly Asp Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile Leu Leu Lys
 1 5 10 15
 Leu Asp Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg Met Gln Asp
 20 25 30
 Leu Asp Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala Trp Val
 35 40 45

<210> 516
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 516
 Ser Leu Ala Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr Ile Phe
 1 5 10 15
 Gln Glu Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu Asn Gly
 20 25 30
 Gln Ala Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala Glu
 35 40 45

<210> 517

<211> 38
 <212> PRT
 <213> Homo sapiens

<400> 517

Gly Leu Leu Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu Thr
 1 5 10 15

Leu Val Asn Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro Glu
 20 25 30

Val Thr Asn Arg Tyr Leu
 35

<210> 518
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 518

Ser Gln Leu Lys Asp Ala His Arg Ser His Pro Phe Ile Lys Glu Tyr
 1 5 10 15

Gln Ala Lys Glu Asn Asp Phe Asp Arg Leu Val Leu Gln Tyr Ala Pro
 20 25 30

Ser Ala

<210> 519
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 519

Asn Arg Tyr Tyr Arg Glu Ser Trp Ser Leu Gln Val Pro Val Arg Asn
 1 5 10 15

Ser Gly Ser Thr His Ala Ser Glu Arg Asn Gly Ala Ser Gly Pro Arg
 20 25 30

Pro Gly Leu Arg Arg Leu Arg Gly Gly Arg Arg Ala Val Arg Arg Lys
 35 40 45

Glu Arg Leu Leu His Arg Gln Leu Pro Ala Val His Lys Arg
 50 55 60

<210> 520
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 520

Ala Pro Gly Xaa Gly Trp Arg Gly Ser Leu Gly Glu Pro Pro Pro Pro
1 5 10 15

Pro Arg Ala Ser Leu Ser Ser Asp Thr Ser Ala Leu Ser Tyr Asp Ser
20 25 30

Val Lys Tyr Thr Leu Val Val Asp Glu His Ala Gln Leu Glu Leu Val
35 40 45

Ser Leu Arg Arg Ala Ser Glu Thr Thr Val Thr Arg Val Thr Leu Pro
50 55 60

Pro Ser
65

<210> 521

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 521

Ala Pro Gly Xaa Gly Trp Arg Gly Ser Leu Gly Glu Pro Pro Pro Pro
1 5 10 15

Pro Arg Ala Ser Leu Ser Ser Asp Thr Ser Ala Leu Ser Tyr
20 25 30

<210> 522

<211> 36

<212> PRT

<213> Homo sapiens

<400> 522

Asp Ser Val Lys Tyr Thr Leu Val Val Asp Glu His Ala Gln Leu Glu
1 5 10 15

Leu Val Ser Leu Arg Arg Ala Ser Glu Thr Thr Val Thr Arg Val Thr
20 25 30

Leu Pro Pro Ser
35

<210> 523

<211> 156

<212> PRT

<213> Homo sapiens

<400> 523

Met Lys Ala Ile Gly Ile Glu Pro Ser Leu Ala Thr Tyr His His Ile
 1 5 10 15

Ile Arg Leu Phe Asp Gln Pro Gly Asp Pro Leu Lys Arg Ser Ser Phe
 20 25 30

Ile Ile Tyr Asp Ile Met Asn Glu Leu Met Gly Lys Arg Phe Ser Pro
 35 40 45

Lys Asp Pro Asp Asp Asp Lys Phe Phe Gln Ser Ala Met Ser Ile Cys
 50 55 60

Ser Ser Leu Arg Asp Leu Glu Leu Ala Tyr Gln Val His Gly Leu Leu
 65 70 75 80

Lys Thr Gly Asp Asn Trp Lys Phe Ile Gly Pro Asp Gln His Arg Asn
 85 90 95

Phe Tyr Tyr Ser Lys Phe Phe Asp Leu Ile Cys Leu Met Glu Gln Ile
 100 105 110

Asp Val Thr Leu Lys Trp Tyr Glu Asp Leu Ile Pro Ser Ala Tyr Phe
 115 120 125

Pro His Ser Gln Thr Met Ile His Leu Leu Gln Ala Leu Asp Val Ala
 130 135 140

Asn Arg Leu Glu Val Ile Pro Lys Ile Trp Glu Arg
 145 150 155

<210> 524

<211> 176

<212> PRT

<213> Homo sapiens

<400> 524

Lys Asp Ser Lys Glu Tyr Gly His Thr Phe Arg Ser Asp Leu Arg Glu
 1 5 10 15

Glu Ile Leu Met Leu Met Ala Arg Asp Lys His Pro Pro Glu Leu Gln
 20 25 30

Val Ala Phe Ala Asp Cys Ala Ala Asp Ile Lys Ser Ala Tyr Glu Ser
 35 40 45

Gln Pro Ile Arg Gln Thr Ala Gln Asp Trp Pro Ala Thr Ser Leu Asn
 50 55 60

Cys Ile Ala Ile Leu Phe Leu Arg Ala Gly Arg Thr Gln Glu Ala Trp
 65 70 75 80

Lys Met Leu Gly Leu Phe Arg Lys His Asn Lys Ile Pro Arg Ser Glu
 85 90 95

Leu Leu Asn Glu Leu Met Asp Ser Ala Lys Val Ser Asn Ser Pro Ser
 100 105 110

Gln Ala Ile Glu Val Val Glu Leu Ala Ser Ala Phe Ser Leu Pro Ile
 115 120 125

Cys Glu Gly Leu Thr Gln Arg Val Met Ser Asp Phe Ala Ile Asn Gln
 130 135 140

Glu Gln Lys Glu Ala Leu Ser Asn Leu Thr Ala Leu Thr Ser Asp Ser
 145 150 155 160

Asp Thr Asp Ser Ser Ser Asp Ser Asp Ser Asp Thr Ser Glu Gly Lys
 165 170 175

<210> 525

<211> 49

<212> PRT

<213> Homo sapiens

<400> 525

Met Lys Ala Ile Gly Ile Glu Pro Ser Leu Ala Thr Tyr His His Ile
 1 5 10 15

Ile Arg Leu Phe Asp Gln Pro Gly Asp Pro Leu Lys Arg Ser Ser Phe
 20 25 30

Ile Ile Tyr Asp Ile Met Asn Glu Leu Met Gly Lys Arg Phe Ser Pro
 35 40 45

Lys

<210> 526

<211> 49

<212> PRT

<213> Homo sapiens

<400> 526

Asp Pro Asp Asp Asp Lys Phe Phe Gln Ser Ala Met Ser Ile Cys Ser
 1 5 10 15

Ser Leu Arg Asp Leu Glu Leu Ala Tyr Gln Val His Gly Leu Leu Lys
 20 25 30

Thr Gly Asp Asn Trp Lys Phe Ile Gly Pro Asp Gln His Arg Asn Phe
 35 40 45

Tyr

<210> 527

<211> 28

<212> PRT

<213> Homo sapiens

<400> 527

Tyr Ser Lys Phe Phe Asp Leu Ile Cys Leu Met Glu Gln Ile Asp Val
1 5 10 15

Thr Leu Lys Trp Tyr Glu Asp Leu Ile Pro Ser Ala
20 25

<210> 528

<211> 30

<212> PRT

<213> Homo sapiens

<400> 528

Tyr Phe Pro His Ser Gln Thr Met Ile His Leu Leu Gln Ala Leu Asp
1 5 10 15

Val Ala Asn Arg Leu Glu Val Ile Pro Lys Ile Trp Glu Arg
20 25 30

<210> 529

<211> 46

<212> PRT

<213> Homo sapiens

<400> 529

Lys Asp Ser Lys Glu Tyr Gly His Thr Phe Arg Ser Asp Leu Arg Glu
1 5 10 15

Glu Ile Leu Met Leu Met Ala Arg Asp Lys His Pro Pro Glu Leu Gln
20 25 30

Val Ala Phe Ala Asp Cys Ala Ala Asp Ile Lys Ser Ala Tyr
35 40 45

<210> 530

<211> 50

<212> PRT

<213> Homo sapiens

<400> 530

Glu Ser Gln Pro Ile Arg Gln Thr Ala Gln Asp Trp Pro Ala Thr Ser
1 5 10 15

Leu Asn Cys Ile Ala Ile Leu Phe Leu Arg Ala Gly Arg Thr Gln Glu
20 25 30

Ala Trp Lys Met Leu Gly Leu Phe Arg Lys His Asn Lys Ile Pro Arg
35 40 45

Ser Glu
50

<210> 531
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 531
 Leu Leu Asn Glu Leu Met Asp Ser Ala Lys Val Ser Asn Ser Pro Ser
 1 5 10 15
 Gln Ala Ile Glu Val Val Glu Leu Ala Ser Ala Phe Ser Leu Pro Ile
 20 25 30
 Cys Glu Gly Leu Thr Gln Arg Val Met Ser Asp Phe Ala Ile Asn
 35 40 45

<210> 532
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 532
 Gln Glu Gln Lys Glu Ala Leu Ser Asn Leu Thr Ala Leu Thr Ser Asp
 1 5 10 15
 Ser Asp Thr Asp Ser Ser Ser Asp Ser Asp Ser Asp Thr Ser Glu Gly
 20 25 30

Lys

<210> 533
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 533
 Met Ser Ser Asp Asn Glu Ser Asp Ile Glu Asp Glu Asp Leu Lys Leu
 1 5 10 15
 Glu Leu Arg Arg Leu Arg Asp Lys His Leu Lys Glu Ile Gln Asp Leu
 20 25 30
 Gln Ser Arg Gln Lys His Glu Ile Glu Ser Leu Tyr Thr Lys Leu Gly
 35 40 45
 Lys Val Pro Pro Ala Val Ile Ile Pro Pro Ala Ala Pro Leu Ser Gly
 50 55 60
 Arg Arg Arg Arg Pro Thr Lys Ser Lys Gly Ser Lys Ser Ser Arg Ser
 65 70 75 80
 Ser Ser Leu Gly Asn Lys Ser Pro Gln Leu Ser Gly Asn Leu Ser Gly
 85 90 95
 Gln Ser Ala Ala Ser Val Leu His Pro Gln Gln Thr Leu His Pro Pro
 100 105 110

Gly Asn Ile Pro Glu Ser Gly Gln Asn Gln Leu Leu Gln Pro Leu Lys
 115 120 125
 Pro Ser Pro Ser Ser Asp Asn Leu Tyr Ser Ala Phe Thr Ser Asp Gly
 130 135 140
 Ala Ile Ser Val Pro Ser Leu Ser Ala Pro Gly Gln Gly Thr Ser Ser
 145 150 155 160
 Thr Asn Thr Val Gly Ala Thr Val Asn Ser Gln Ala Ala Gln Ala Gln
 165 170 175
 Pro Pro Ala Met Thr Ser Ser Arg Lys Gly Thr Phe Thr Asp Asp Leu
 180 185 190
 His Lys Leu Val Asp Asn Trp Ala Arg Asp Ala Met Asn Leu Ser Gly
 195 200 205
 Arg Arg Gly Ser Lys Gly His Met Asn Tyr Glu Gly Pro Gly Met Ala
 210 215 220
 Arg Lys Phe Ser Ala Pro Gly Gln Leu Cys Ile Ser Met Thr Ser Asn
 225 230 235 240
 Leu Gly Gly Ser Ala Pro Ile Ser Ala Ala Ser Ala Thr Ser Leu Gly
 245 250 255
 His Phe Thr Lys Ser Met Cys Pro Pro Gln Gln Tyr Gly Phe Pro Ala
 260 265 270
 Thr Pro Phe Gly Ala Gln Trp Ser Gly Thr Gly Gly Pro Ala Pro Gln
 275 280 285
 Pro Leu Gly Gln Phe Gln Pro Val Gly Thr Ala Ser Leu Gln Asn Phe
 290 295 300
 Asn Ile Ser Asn Leu Gln Lys Ser Ile Ser Asn Pro Pro Gly Ser Asn
 305 310 315 320
 Leu Arg Thr Thr

<210> 534
 <211> 133
 <212> PRT
 <213> Homo sapiens

<400> 534
 Ile Gln Asp Leu Gln Ser Arg Gln Lys His Glu Ile Glu Ser Leu Tyr
 1 5 10 15
 Thr Lys Leu Gly Lys Val Pro Pro Ala Val Ile Ile Pro Pro Ala Ala
 20 25 30
 Pro Leu Ser Gly Arg Arg Arg Arg Pro Thr Lys Ser Lys Gly Ser Lys
 35 40 45

Ser Ser Arg Ser Ser Ser Leu Gly Asn Lys Ser Pro Gln Leu Ser Gly
 50 55 60

Asn Leu Ser Gly Gln Ser Ala Ala Ser Val Leu His Pro Gln Gln Thr
 65 70 75 80

Leu His Pro Pro Gly Asn Ile Pro Glu Ser Gly Gln Asn Gln Leu Leu
 85 90 95

Gln Pro Leu Lys Pro Ser Pro Ser Ser Asp Asn Leu Tyr Ser Ala Phe
 100 105 110

Thr Ser Asp Gly Ala Ile Ser Val Pro Ser Leu Ser Ala Pro Gly Gln
 115 120 125

Gly Thr Ser Ser Thr
 130

<210> 535

<211> 53

<212> PRT

<213> Homo sapiens

<400> 535

Thr Ser Asp Gly Ala Ile Ser Val Pro Ser Leu Ser Ala Pro Gly Gln
 1 5 10 15

Gly Thr Ser Ser Thr Asn Thr Val Gly Ala Thr Val Asn Ser Gln Ala
 20 25 30

Ala Gln Ala Gln Pro Pro Ala Met Thr Ser Ser Arg Lys Gly Thr Phe
 35 40 45

Thr Asp Asp Leu His
 50

<210> 536

<211> 48

<212> PRT

<213> Homo sapiens

<400> 536

Lys Gly His Met Asn Tyr Glu Gly Pro Gly Met Ala Arg Lys Phe Ser
 1 5 10 15

Ala Pro Gly Gln Leu Cys Ile Ser Met Thr Ser Asn Leu Gly Gly Ser
 20 25 30

Ala Pro Ile Ser Ala Ala Ser Ala Thr Ser Leu Gly His Phe Thr Lys
 35 40 45

<210> 537
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 537
 Gln Pro Leu Lys Pro Ser Pro Ser Ser Asp Asn Leu Tyr Ser Ala Phe
 1 5 10 15
 Thr Ser Asp Gly Ala Ile Ser Val Pro Ser Leu Ser Ala Pro Gly
 20 25 30

<210> 538
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 538
 Met Ser Ser Asp Asn Glu Ser Asp Ile Glu Asp Glu Asp Leu Lys Leu
 1 5 10 15
 Glu Leu Arg Arg Leu Arg Asp Lys His Leu Lys Glu Ile Gln Asp Leu
 20 25 30
 Gln Ser Arg Gln Lys His Glu Ile Glu Ser Leu Tyr Thr Lys Leu Gly
 35 40 45
 Lys Val Pro
 50

<210> 539
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 539
 Pro Ala Val Ile Ile Pro Pro Ala Ala Pro Leu Ser Gly Arg Arg Arg
 1 5 10 15
 Arg Pro Thr Lys Ser Lys Gly Ser Lys Ser Ser Arg Ser Ser Ser Leu
 20 25 30
 Gly Asn Lys Ser Pro Gln Leu Ser Gly Asn Leu Ser Gly Gln Ser
 35 40 45

<210> 540
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 540
 Ala Ala Ser Val Leu His Pro Gln Gln Thr Leu His Pro Pro Gly Asn
 1 5 10 15
 Ile Pro Glu Ser Gly Gln Asn Gln Leu Leu Gln Pro Leu Lys Pro Ser

20

25

30

Pro Ser Ser Asp Asn Leu Tyr Ser Ala Phe Thr Ser Asp Gly Ala Ile
 35 40 45

Ser Val
 50

<210> 541

<211> 44

<212> PRT

<213> Homo sapiens

<400> 541

Pro Ser Leu Ser Ala Pro Gly Gln Gly Thr Ser Ser Thr Asn Thr Val
 1 5 10 15

Gly Ala Thr Val Asn Ser Gln Ala Ala Gln Ala Gln Pro Pro Ala Met
 20 25 30

Thr Ser Ser Arg Lys Gly Thr Phe Thr Asp Asp Leu
 35 40

<210> 542

<211> 46

<212> PRT

<213> Homo sapiens

<400> 542

His Lys Leu Val Asp Asn Trp Ala Arg Asp Ala Met Asn Leu Ser Gly
 1 5 10 15

Arg Arg Gly Ser Lys Gly His Met Asn Tyr Glu Gly Pro Gly Met Ala
 20 25 30

Arg Lys Phe Ser Ala Pro Gly Gln Leu Cys Ile Ser Met Thr
 35 40 45

<210> 543

<211> 46

<212> PRT

<213> Homo sapiens

<400> 543

Ser Asn Leu Gly Gly Ser Ala Pro Ile Ser Ala Ala Ser Ala Thr Ser
 1 5 10 15

Leu Gly His Phe Thr Lys Ser Met Cys Pro Pro Gln Gln Tyr Gly Phe
 20 25 30

Pro Ala Thr Pro Phe Gly Ala Gln Trp Ser Gly Thr Gly Gly
 35 40 45

<210> 544

<211> 40
 <212> PRT
 <213> Homo sapiens

<400> 544
 Pro Ala Pro Gln Pro Leu Gly Gln Phe Gln Pro Val Gly Thr Ala Ser
 1 5 10 15
 Leu Gln Asn Phe Asn Ile Ser Asn Leu Gln Lys Ser Ile Ser Asn Pro
 20 25 30
 Pro Gly Ser Asn Leu Arg Thr Thr
 35 40

<210> 545
 <211> 57
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 545
 Val Arg Val Ala Ala Ala Glu Ser Met Xaa Leu Leu Leu Glu Cys Ala
 1 5 10 15
 Xaa Val Arg Gly Pro Glu Tyr Leu Thr Gln Met Trp His Phe Met Cys
 20 25 30
 Asp Ala Leu Ile Lys Ala Ile Gly Thr Glu Pro Asp Ser Asp Val Leu
 35 40 45
 Ser Glu Ile Met His Ser Phe Ala Lys
 50 55

<210> 546
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 546
 Met Glu Ile Asn Asn Gln Asn Cys Phe Ile Val Ile Asp Leu Val Arg
 1 5 10 15
 Thr Val Met Glu Asn Gly Val Glu Gly Leu Leu Ile Phe Gly Ala Phe
 20 25 30
 Leu Pro Glu Ser Trp Leu Ile Gly Val Arg Cys Ser Ser Glu Pro Pro
 35 40 45

Lys Ala Leu Leu Leu Ile Leu Ala His Ser Gln Lys Arg Arg Leu Asp
 50 55 60

Gly Trp Ser Phe Ile Arg His Leu Arg Val His Tyr Cys Val Ser Leu
 65 70 75 80

Thr Ile His Phe Ser
 85

<210> 547

<211> 100

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 547

Gly Gly Arg Glu Ala Asn Lys Xaa Phe Phe Ile Glu Ser Cys Ile Ala
 1 5 10 15

Leu Phe Val Ser Phe Ile Ile Asn Val Phe Val Val Ser Val Phe Ala
 20 25 30

Glu Xaa Phe Phe Gly Xaa Thr Asn Glu Gln Val Val Glu Val Cys Thr
 35 40 45

Asn Thr Ser Ser Pro His Ala Gly Leu Phe Pro Lys Asp Asn Ser Thr
 50 55 60

Leu Ala Val Asp Ile Tyr Lys Gly Gly Val Val Leu Gly Cys Tyr Phe
 65 70 75 80

Gly Pro Ala Ala Leu Tyr Ile Trp Ala Val Gly Ile Leu Ala Ala Gly
 85 90 95

Gln Ser Ser Thr
 100

<210> 548

<211> 45

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 548
 Gly Gly Arg Glu Ala Asn Lys Xaa Phe Phe Ile Glu Ser Cys Ile Ala
 1 5 10 15
 Leu Phe Val Ser Phe Ile Ile Asn Val Phe Val Val Ser Val Phe Ala
 20 25 30
 Glu Xaa Phe Phe Gly Xaa Thr Asn Glu Gln Val Val Glu
 35 40 45

<210> 549
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 549
 Val Cys Thr Asn Thr Ser Ser Pro His Ala Gly Leu Phe Pro Lys Asp
 1 5 10 15
 Asn Ser Thr Leu Ala Val Asp Ile Tyr Lys Gly Gly Val Val Leu Gly
 20 25 30
 Cys Tyr Phe Gly Pro Ala Ala Leu Tyr Ile Trp Ala Val Gly Ile Leu
 35 40 45
 Ala Ala Gly Gln Ser Ser Thr
 50 55

<210> 550
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 550
 Gln Asp Lys His Ala Glu Glu Val Arg Lys Asn Lys Glu Leu Lys Glu
 1 5 10 15
 Glu Ala Ser Arg
 20

<210> 551
 <211> 92
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 551
 Gln Gln Asp Leu Ser Pro Trp Ala Ala Pro Val Gly Cys Pro Leu Xaa
 1 5 10 15
 Xaa Ala Ser Xaa Thr Cys His Xaa Leu Pro Leu Ser Gly Cys Leu Arg
 20 25 30
 Arg Gln Ser Xaa Ser Leu Pro Val Val Ala Xaa Leu Cys Phe Trp Phe
 35 40 45
 Ser Cys Pro Leu Ala Ser Leu Phe Val Pro Gly Gln Pro Cys Val Thr
 50 55 60
 Cys Pro Phe Pro Ser Leu Pro Phe Gln Asp Lys His Ala Glu Glu Val
 65 70 75 80
 Arg Lys Asn Lys Glu Leu Lys Glu Glu Ala Ser Arg
 85 90

<210> 552
 <211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 552

Pro Thr Arg Cys Cys Thr Thr Gln Pro Cys Arg Ser Ser Ala Arg Arg
1 5 10 15

Pro Cys Trp Val Pro Met Val Pro Ser Pro Glu Gly Arg Glu Xaa Gln
20 25 30

Pro Thr Cys Pro Ser
35

<210> 553

<211> 363

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (211)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 553

Met Lys Arg Ser Leu Asn Glu Asn Ser Ala Arg Ser Thr Ala Gly Cys
1 5 10 15

Leu Pro Val Pro Leu Phe Asn Gln Lys Lys Arg Asn Arg Gln Pro Leu
20 25 30

Thr Ser Asn Pro Leu Lys Asp Asp Ser Gly Ile Ser Thr Pro Ser Asp
35 40 45

Asn Tyr Asp Phe Pro Pro Leu Pro Thr Asp Trp Ala Trp Glu Ala Val
50 55 60

Asn Pro Glu Xaa Ala Pro Val Met Lys Thr Val Asp Thr Gly Gln Ile
65 70 75 80

Pro His Ser Val Ser Arg Pro Leu Arg Ser Gln Asp Ser Val Phe Asn
85 90 95

Ser	Ile	Gln	Ser	Asn	Thr	Gly	Arg	Ser	Gln	Gly	Gly	Trp	Ser	Tyr	Arg	100	105	110
Asp	Gly	Asn	Lys	Asn	Thr	Ser	Leu	Lys	Thr	Trp	Xaa	Lys	Asn	Asp	Phe	115	120	125
Lys	Pro	Gln	Cys	Lys	Arg	Thr	Asn	Leu	Val	Ala	Asn	Asp	Gly	Lys	Asn	130	135	140
Ser	Cys	Pro	Met	Ser	Ser	Gly	Ala	Gln	Gln	Gln	Lys	Gln	Leu	Arg	Thr	145	150	155
Pro	Glu	Pro	Pro	Asn	Leu	Ser	Arg	Asn	Lys	Glu	Thr	Glu	Leu	Leu	Arg	165	170	175
Gln	Thr	His	Ser	Ser	Lys	Ile	Ser	Gly	Cys	Thr	Met	Arg	Gly	Leu	Asp	180	185	190
Lys	Asn	Ser	Ala	Leu	Gln	Thr	Leu	Lys	Pro	Asn	Phe	Gln	Gln	Asn	Gln	195	200	205
Tyr	Lys	Xaa	Gln	Met	Leu	Asp	Asp	Ile	Pro	Glu	Asp	Asn	Thr	Leu	Lys	210	215	220
Glu	Thr	Ser	Leu	Tyr	Gln	Leu	Gln	Phe	Lys	Glu	Lys	Ala	Ser	Ser	Leu	225	230	235
Arg	Ile	Ile	Ser	Ala	Val	Ile	Glu	Ser	Met	Lys	Tyr	Trp	Arg	Glu	His	245	250	255
Ala	Gln	Lys	Thr	Val	Leu	Leu	Phe	Glu	Val	Leu	Ala	Val	Leu	Asp	Ser	260	265	270
Ala	Val	Thr	Pro	Gly	Pro	Tyr	Tyr	Ser	Lys	Thr	Phe	Leu	Met	Arg	Asp	275	280	285
Gly	Lys	Asn	Thr	Leu	Pro	Cys	Val	Phe	Tyr	Glu	Ile	Asp	Arg	Glu	Leu	290	295	300
Pro	Arg	Leu	Ile	Arg	Gly	Arg	Val	His	Arg	Cys	Val	Gly	Asn	Tyr	Asp	305	310	315
Gln	Lys	Lys	Asn	Ile	Phe	Gln	Cys	Val	Ser	Val	Arg	Pro	Ala	Ser	Val	325	330	335
Ser	Glu	Gln	Lys	Thr	Phe	Gln	Ala	Phe	Val	Lys	Ile	Ala	Asp	Val	Glu	340	345	350
Met	Gln	Tyr	Tyr	Ile	Asn	Val	Met	Asn	Glu	Thr						355	360	

<210> 554

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 554

Ser Gln Asp Ser Val Phe Asn Ser Ile Gln Ser Asn Thr Gly Arg Ser
1 5 10 15

Gln Gly Gly Trp Ser Tyr Arg Asp Gly Asn Lys Asn Thr Ser Leu Lys
20 25 30

Thr Trp Xaa Lys Asn Asp Phe Lys Pro Gln Cys Lys Arg
35 40 45

<210> 555

<211> 36

<212> PRT

<213> Homo sapiens

<400> 555

Asn Lys Glu Thr Glu Leu Leu Arg Gln Thr His Ser Ser Lys Ile Ser
1 5 10 15

Gly Cys Thr Met Arg Gly Leu Asp Lys Asn Ser Ala Leu Gln Thr Leu
20 25 30

Lys Pro Asn Phe
35

<210> 556

<211> 49

<212> PRT

<213> Homo sapiens

<400> 556

Ser Ser Leu Arg Ile Ile Ser Ala Val Ile Glu Ser Met Lys Tyr Trp
1 5 10 15

Arg Glu His Ala Gln Lys Thr Val Leu Leu Phe Glu Val Leu Ala Val
20 25 30

Leu Asp Ser Ala Val Thr Pro Gly Pro Tyr Tyr Ser Lys Thr Phe Leu
35 40 45

Met

<210> 557

<211> 42

<212> PRT

<213> Homo sapiens

<400> 557

Pro Arg Leu Ile Arg Gly Arg Val His Arg Cys Val Gly Asn Tyr Asp
1 5 10 15

Gln Lys Lys Asn Ile Phe Gln Cys Val Ser Val Arg Pro Ala Ser Val
 20 25 30

Ser Glu Gln Lys Thr Phe Gln Ala Phe Val
 35 40

<210> 558

<211> 370

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (320)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (334)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (337)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (339)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (341)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (345)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (350)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (352)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (355)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (360)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 558

Gly	Val	Phe	Arg	Pro	Cys	Val	Cys	Gly	Arg	Pro	Ala	Ser	Leu	Thr	Cys	1	5	10	15
Ser	Pro	Leu	Asp	Pro	Glu	Val	Gly	Pro	Tyr	Cys	Asp	Thr	Pro	Thr	Met	20	25	30	
Arg	Thr	Leu	Phe	Asn	Leu	Leu	Trp	Leu	Ala	Leu	Ala	Cys	Ser	Pro	Val	35	40	45	
His	Thr	Thr	Leu	Ser	Lys	Ser	Asp	Ala	Lys	Lys	Ala	Ala	Ser	Lys	Thr	50	55	60	
Leu	Leu	Glu	Lys	Ser	Gln	Phe	Ser	Asp	Lys	Pro	Val	Gln	Asp	Arg	Gly	65	70	75	80
Leu	Val	Val	Thr	Asp	Leu	Lys	Ala	Glu	Ser	Val	Val	Leu	Glu	His	Arg	85	90	95	
Ser	Tyr	Cys	Ser	Ala	Lys	Ala	Arg	Asp	Arg	His	Phe	Ala	Gly	Asp	Val	100	105	110	
Leu	Gly	Tyr	Val	Thr	Pro	Trp	Asn	Ser	His	Gly	Tyr	Asp	Val	Thr	Lys	115	120	125	
Val	Phe	Gly	Ser	Lys	Phe	Thr	Gln	Ile	Ser	Pro	Val	Trp	Leu	Gln	Leu	130	135	140	
Lys	Arg	Arg	Gly	Arg	Glu	Met	Phe	Glu	Val	Thr	Gly	Leu	His	Asp	Val	145	150	155	160
Asp	Gln	Gly	Trp	Met	Arg	Ala	Val	Arg	Lys	His	Ala	Lys	Gly	Leu	His	165	170	175	
Ile	Val	Pro	Arg	Leu	Leu	Phe	Glu	Asp	Trp	Thr	Tyr	Asp	Asp	Phe	Arg	180	185	190	
Asn	Val	Leu	Asp	Ser	Glu	Asp	Glu	Ile	Glu	Glu	Leu	Ser	Lys	Thr	Val	195	200	205	
Val	Gln	Val	Ala	Lys	Asn	Gln	His	Phe	Asp	Gly	Phe	Val	Val	Glu	Val	210	215	220	
Trp	Asn	Gln	Leu	Leu	Ser	Gln	Lys	Arg	Val	Gly	Leu	Ile	His	Met	Leu	225	230	235	240
Thr	His	Leu	Ala	Glu	Ala	Leu	His	Gln	Ala	Arg	Leu	Leu	Ala	Leu	Leu	245	250	255	
Val	Ile	Pro	Pro	Ala	Ile	Thr	Pro	Gly	Thr	Asp	Gln	Leu	Gly	Met	Phe	260	265	270	
Thr	His	Lys	Glu	Phe	Glu	Gln	Leu	Ala	Pro	Val	Leu	Asp	Gly	Phe	Ser				

275 280 285
 Leu Met Thr Tyr Asp Tyr Ser Thr Ala His Gln Pro Gly Pro Asn Ala
 290 295 300
 Pro Leu Ser Trp Val Arg Ala Cys Val Gln Val Leu Asp Pro Lys Xaa
 305 310 315 320
 Lys Trp Arg Thr Lys Ser Ser Trp Gly Ser Thr Ser Met Xaa Trp Thr
 325 330 335
 Xaa Arg Xaa Pro Xaa Asp Ala Arg Xaa Pro Val Val Gly Xaa Arg Xaa
 340 345 350
 Ile Gln Xaa Leu Lys Asp His Xaa Pro Arg Met Val Leu Asp Ser Lys
 355 360 365
 Pro Gln
 370

<210> 559

<211> 39

<212> PRT

<213> Homo sapiens

<400> 559

Thr Cys Ser Pro Leu Asp Pro Glu Val Gly Pro Tyr Cys Asp Thr Pro
 1 5 10 15

Thr Met Arg Thr Leu Phe Asn Leu Leu Trp Leu Ala Leu Ala Cys Ser
 20 25 30

Pro Val His Thr Thr Leu Ser
 35

<210> 560

<211> 54

<212> PRT

<213> Homo sapiens

<400> 560

Leu Val Val Thr Asp Leu Lys Ala Glu Ser Val Val Leu Glu His Arg
 1 5 10 15

Ser Tyr Cys Ser Ala Lys Ala Arg Asp Arg His Phe Ala Gly Asp Val
 20 25 30

Leu Gly Tyr Val Thr Pro Trp Asn Ser His Gly Tyr Asp Val Thr Lys
 35 40 45

Val Phe Gly Ser Lys Phe
 50

<210> 561

<211> 52

<212> PRT
 <213> Homo sapiens

<400> 561

Arg Glu Met Phe Glu Val Thr Gly Leu His Asp Val Asp Gln Gly Trp
 1 5 10 15

Met Arg Ala Val Arg Lys His Ala Lys Gly Leu His Ile Val Pro Arg
 20 25 30

Leu Leu Phe Glu Asp Trp Thr Tyr Asp Asp Phe Arg Asn Val Leu Asp
 35 40 45

Ser Glu Asp Glu
 50

<210> 562

<211> 56

<212> PRT

<213> Homo sapiens

<400> 562

His Phe Asp Gly Phe Val Val Glu Val Trp Asn Gln Leu Leu Ser Gln
 1 5 10 15

Lys Arg Val Gly Leu Ile His Met Leu Thr His Leu Ala Glu Ala Leu
 20 25 30

His Gln Ala Arg Leu Leu Ala Leu Leu Val Ile Pro Pro Ala Ile Thr
 35 40 45

Pro Gly Thr Asp Gln Leu Gly Met
 50 55

<210> 563

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 563

Asp Gly Phe Ser Leu Met Thr Tyr Asp Tyr Ser Thr Ala His Gln Pro
 1 5 10 15

Gly Pro Asn Ala Pro Leu Ser Trp Val Arg Ala Cys Val Gln Val Leu
 20 25 30

Asp Pro Lys Xaa Lys Trp Arg Thr Lys Ser Ser Trp Gly Ser Thr
 35 40 45

<210> 564

<211> 152
 <212> PRT
 <213> Homo sapiens

<400> 564

Glu Arg Gly Val Ser Ile Asn Gln Phe Cys Lys Glu Phe Asn Glu Arg
 1 5 10 15
 Thr Lys Asp Ile Lys Glu Gly Ile Pro Leu Pro Thr Lys Ile Leu Val
 20 25 30
 Lys Pro Asp Arg Thr Phe Glu Ile Lys Ile Gly Gln Pro Thr Val Ser
 35 40 45
 Tyr Phe Leu Lys Ala Ala Ala Gly Ile Glu Lys Gly Ala Arg Gln Thr
 50 55 60
 Gly Lys Glu Val Ala Gly Leu Val Thr Leu Lys His Val Tyr Glu Ile
 65 70 75 80
 Ala Arg Ile Lys Ala Gln Asp Glu Ala Phe Ala Leu Gln Asp Val Pro
 85 90 95
 Leu Ser Ser Val Val Arg Ser Ile Ile Gly Ser Ala Arg Ser Leu Gly
 100 105 110
 Ile Arg Val Val Lys Asp Leu Ser Ser Glu Glu Leu Ala Ala Phe Gln
 115 120 125
 Lys Glu Arg Ala Ile Phe Leu Ala Ala Gln Lys Glu Ala Asp Leu Ala
 130 135 140
 Ala Gln Glu Glu Ala Ala Lys Lys
 145 150

<210> 565
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 565

Glu Arg Gly Val Ser Ile Asn Gln Phe Cys Lys Glu Phe Asn Glu Arg
 1 5 10 15
 Thr Lys Asp Ile Lys Glu Gly Ile Pro Leu Pro Thr Lys Ile Leu Val
 20 25 30
 Lys Pro Asp Arg Thr Phe Glu Ile Lys Ile Gly Gln Pro Thr Val Ser
 35 40 45
 Tyr Phe Leu
 50

<210> 566
 <211> 49
 <212> PRT

<213> Homo sapiens

<400> 566

Lys Ala Ala Ala Gly Ile Glu Lys Gly Ala Arg Gln Thr Gly Lys Glu
1 5 10 15

Val Ala Gly Leu Val Thr Leu Lys His Val Tyr Glu Ile Ala Arg Ile
20 25 30

Lys Ala Gln Asp Glu Ala Phe Ala Leu Gln Asp Val Pro Leu Ser Ser
35 40 45

Val

<210> 567

<211> 52

<212> PRT

<213> Homo sapiens

<400> 567

Val Arg Ser Ile Ile Gly Ser Ala Arg Ser Leu Gly Ile Arg Val Val
1 5 10 15

Lys Asp Leu Ser Ser Glu Glu Leu Ala Ala Phe Gln Lys Glu Arg Ala
20 25 30

Ile Phe Leu Ala Ala Gln Lys Glu Ala Asp Leu Ala Ala Gln Glu Glu
35 40 45

Ala Ala Lys Lys
50

<210> 568

<211> 270

<212> PRT

<213> Homo sapiens

<400> 568

Ala Val Tyr Thr Tyr His Glu Lys Lys Lys Asp Thr Ala Ala Ser Gly
1 5 10 15

Tyr Gly Thr Gln Asn Ile Arg Leu Ser Arg Asp Ala Val Lys Asp Phe
20 25 30

Asp Cys Cys Cys Leu Ser Leu Gln Pro Cys His Asp Pro Val Val Thr
35 40 45

Pro Asp Gly Tyr Leu Tyr Glu Arg Glu Ala Ile Leu Glu Tyr Ile Leu
50 55 60

His Gln Lys Lys Glu Ile Ala Arg Gln Met Lys Ala Tyr Glu Lys Gln
65 70 75 80

Arg Gly Thr Arg Arg Glu Glu Gln Lys Glu Leu Gln Arg Ala Ala Ser
85 90 95

Gln Asp His Val Arg Gly Phe Leu Glu Lys Glu Ser Ala Ile Val Ser
 100 105 110

Arg Pro Leu Asn Pro Phe Thr Ala Lys Ala Leu Ser Gly Thr Ser Pro
 115 120 125

Asp Asp Val Gln Pro Gly Pro Ser Val Gly Pro Pro Ser Lys Asp Lys
 130 135 140

Asp Lys Val Leu Pro Ser Phe Trp Ile Pro Ser Leu Thr Pro Glu Ala
 145 150 155 160

Lys Ala Thr Lys Leu Glu Lys Pro Ser Arg Thr Val Thr Cys Pro Met
 165 170 175

Ser Gly Lys Pro Leu Arg Met Ser Asp Leu Thr Pro Val His Phe Thr
 180 185 190

Pro Leu Asp Ser Ser Val Asp Arg Val Gly Leu Ile Thr Arg Ser Glu
 195 200 205

Arg Tyr Val Cys Ala Val Thr Arg Asp Ser Leu Ser Asn Ala Thr Pro
 210 215 220

Cys Ala Val Leu Arg Pro Ser Gly Ala Val Val Thr Leu Glu Cys Val
 225 230 235 240

Glu Lys Leu Ile Arg Lys Asp Met Val Asp Pro Val Thr Gly Asp Lys
 245 250 255

Leu Thr Asp Arg Asp Ile Ile Val Leu Gln Arg Gly Gly Thr
 260 265 270

<210> 569
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 569
 Tyr Leu Tyr Glu Arg Glu Ala Ile Leu Glu Tyr Ile Leu His Gln Lys
 1 5 10 15

Lys Glu Ile Ala Arg Gln Met Lys Ala Tyr Glu Lys Gln Arg Gly Thr
 20 25 30

Arg Arg Glu Glu Gln Lys Glu Leu Gln Arg Ala Ala Ser Gln Asp His
 35 40 45

Val Arg Gly Phe Leu Glu
 50

<210> 570
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 570

Phe Thr Ala Lys Ala Leu Ser Gly Thr Ser Pro Asp Asp Val Gln Pro
 1 5 10 15

Gly Pro Ser Val Gly Pro Pro Ser Lys Asp Lys Asp Lys Val Leu Pro
 20 25 30

Ser Phe Trp Ile Pro Ser Leu Thr Pro Glu Ala Lys Ala Thr Lys Leu
 35 40 45

Glu Lys Pro Ser Arg Thr Val Thr Cys Pro Met Ser Gly Lys Pro Leu
 50 55 60

<210> 571

<211> 56

<212> PRT

<213> Homo sapiens

<400> 571

Val His Phe Thr Pro Leu Asp Ser Ser Val Asp Arg Val Gly Leu Ile
 1 5 10 15

Thr Arg Ser Glu Arg Tyr Val Cys Ala Val Thr Arg Asp Ser Leu Ser
 20 25 30

Asn Ala Thr Pro Cys Ala Val Leu Arg Pro Ser Gly Ala Val Val Thr
 35 40 45

Leu Glu Cys Val Glu Lys Leu Ile
 50 55

<210> 572

<211> 66

<212> PRT

<213> Homo sapiens

<400> 572

Met Ser Asp Leu Thr Pro Val His Phe Thr Pro Leu Asp Ser Ser Val
 1 5 10 15

Asp Arg Val Gly Leu Ile Thr Arg Ser Glu Arg Tyr Val Cys Ala Val
 20 25 30

Thr Arg Asp Ser Leu Ser Asn Ala Thr Pro Cys Ala Val Leu Arg Pro
 35 40 45

Ser Gly Ala Val Val Thr Leu Glu Cys Val Glu Lys Leu Ile Arg Lys
 50 55 60

Asp Met
 65

<210> 573
 <211> 567
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (409)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 573

Met	Asp	Thr	Ser	Glu	Asn	Arg	Pro	Glu	Asn	Asp	Val	Pro	Glu	Pro	Pro	1	5	10	15
Met	Pro	Ile	Ala	Asp	Gln	Val	Ser	Asn	Asp	Asp	Arg	Pro	Glu	Gly	Ser	20	25	30	
Val	Glu	Asp	Glu	Glu	Lys	Lys	Glu	Ser	Ser	Leu	Pro	Lys	Ser	Phe	Lys	35	40	45	
Arg	Lys	Ile	Ser	Val	Val	Ser	Ala	Thr	Lys	Gly	Val	Pro	Ala	Gly	Asn	50	55	60	
Ser	Asp	Thr	Glu	Gly	Gly	Gln	Pro	Gly	Arg	Lys	Arg	Arg	Trp	Gly	Ala	65	70	75	80
Ser	Thr	Ala	Thr	Thr	Gln	Lys	Lys	Pro	Ser	Ile	Ser	Ile	Thr	Thr	Glu	85	90	95	
Ser	Leu	Lys	Ser	Leu	Ile	Pro	Asp	Ile	Lys	Pro	Leu	Ala	Gly	Gln	Glu	100	105	110	
Ala	Val	Val	Asp	Leu	His	Ala	Asp	Asp	Ser	Arg	Ile	Ser	Glu	Asp	Glu	115	120	125	
Thr	Glu	Arg	Asn	Gly	Asp	Asp	Gly	Thr	His	Asp	Lys	Gly	Leu	Lys	Ile	130	135	140	
Cys	Arg	Thr	Val	Thr	Gln	Val	Val	Pro	Ala	Glu	Gly	Gln	Glu	Asn	Gly	145	150	155	160
Gln	Arg	Glu	Glu	Glu	Glu	Glu	Lys	Glu	Pro	Glu	Ala	Glu	Pro	Pro	165	170	175		
Val	Pro	Pro	Gln	Val	Ser	Val	Glu	Val	Ala	Leu	Pro	Pro	Pro	Ala	Glu	180	185	190	
His	Glu	Val	Lys	Lys	Val	Thr	Leu	Gly	Asp	Thr	Leu	Thr	Arg	Arg	Ser	195	200	205	
Ile	Ser	Gln	Gln	Lys	Ser	Gly	Val	Ser	Ile	Thr	Ile	Asp	Asp	Pro	Val	210	215	220	
Arg	Thr	Ala	Gln	Val	Pro	Ser	Pro	Pro	Arg	Gly	Lys	Ile	Ser	Asn	Ile	225	230	235	240
Val	His	Ile	Ser	Asn	Leu	Val	Arg	Pro	Phe	Thr	Leu	Gly	Gln	Leu	Lys				

245					250					255					
Glu	Leu	Leu	Gly	Arg	Thr	Gly	Thr	Leu	Val	Glu	Glu	Ala	Phe	Trp	Ile
			260					265					270		
Asp	Lys	Ile	Lys	Ser	His	Cys	Phe	Val	Thr	Tyr	Ser	Thr	Val	Glu	Glu
		275					280					285			
Ala	Val	Ala	Thr	Arg	Thr	Ala	Leu	His	Gly	Val	Lys	Trp	Pro	Gln	Ser
	290					295					300				
Asn	Pro	Lys	Phe	Leu	Cys	Ala	Asp	Tyr	Ala	Glu	Gln	Asp	Glu	Leu	Asp
305					310					315					320
Tyr	His	Arg	Gly	Leu	Leu	Val	Asp	Arg	Pro	Ser	Glu	Thr	Lys	Thr	Glu
				325					330					335	
Glu	Gln	Gly	Ile	Pro	Arg	Pro	Leu	His	Pro	Pro	Pro	Pro	Pro	Pro	Val
			340					345					350		
Gln	Pro	Pro	Gln	His	Pro	Arg	Ala	Glu	Gln	Arg	Glu	Gln	Glu	Arg	Ala
		355					360					365			
Val	Arg	Glu	Gln	Trp	Ala	Glu	Arg	Glu	Arg	Glu	Met	Glu	Arg	Arg	Glu
	370					375					380				
Arg	Thr	Arg	Ser	Glu	Arg	Glu	Trp	Asp	Arg	Asp	Lys	Val	Arg	Glu	Gly
385					390					395					400
Pro	Arg	Ser	Arg	Ser	Arg	Ser	Arg	Xaa	Arg	Arg	Arg	Lys	Glu	Arg	Ala
				405					410					415	
Lys	Ser	Lys	Glu	Lys	Lys	Ser	Glu	Lys	Lys	Glu	Lys	Ala	Gln	Glu	Glu
			420					425					430		
Pro	Pro	Ala	Lys	Leu	Leu	Asp	Asp	Leu	Phe	Arg	Lys	Thr	Lys	Ala	Ala
		435					440					445			
Pro	Cys	Ile	Tyr	Trp	Leu	Pro	Leu	Thr	Asp	Ser	Gln	Ile	Val	Gln	Lys
	450					455					460				
Glu	Ala	Glu	Arg	Ala	Glu	Arg	Ala	Lys	Glu	Arg	Glu	Lys	Arg	Arg	Lys
465					470					475					480
Glu	Gln	Glu	Glu	Glu	Glu	Gln	Lys	Glu	Arg	Glu	Lys	Glu	Ala	Glu	Arg
				485					490					495	
Glu	Arg	Asn	Arg	Gln	Leu	Glu	Arg	Glu	Lys	Arg	Arg	Glu	His	Ser	Arg
			500					505					510		
Glu	Arg	Asp	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Asp	Arg	Gly	Asp
		515					520					525			
Arg	Asp	Arg	Asp	Arg	Glu	Arg	Asp	Arg	Glu	Arg	Gly	Arg	Glu	Arg	Asp
	530					535					540				
Arg	Arg	Asp	Thr	Lys	Arg	His	Ser	Arg	Ser	Arg	Ser	Arg	Ser	Thr	Pro
545					550					555					560

Val Arg Asp Arg Gly Gly Arg
565

<210> 574

<211> 48

<212> PRT

<213> Homo sapiens

<400> 574

Glu Asn Asp Val Pro Glu Pro Pro Met Pro Ile Ala Asp Gln Val Ser
1 5 10 15

Asn Asp Asp Arg Pro Glu Gly Ser Val Glu Asp Glu Glu Lys Lys Glu
20 25 30

Ser Ser Leu Pro Lys Ser Phe Lys Arg Lys Ile Ser Val Val Ser Ala
35 40 45

<210> 575

<211> 37

<212> PRT

<213> Homo sapiens

<400> 575

Val Asp Leu His Ala Asp Asp Ser Arg Ile Ser Glu Asp Glu Thr Glu
1 5 10 15

Arg Asn Gly Asp Asp Gly Thr His Asp Lys Gly Leu Lys Ile Cys Arg
20 25 30

Thr Val Thr Gln Val
35

<210> 576

<211> 55

<212> PRT

<213> Homo sapiens

<400> 576

Pro Gln Val Ser Val Glu Val Ala Leu Pro Pro Pro Ala Glu His Glu
1 5 10 15

Val Lys Lys Val Thr Leu Gly Asp Thr Leu Thr Arg Arg Ser Ile Ser
20 25 30

Gln Gln Lys Ser Gly Val Ser Ile Thr Ile Asp Asp Pro Val Arg Thr
35 40 45

Ala Gln Val Pro Ser Pro Pro
50 55

<210> 577

<211> 55

<212> PRT

<213> Homo sapiens

<400> 577

Leu Lys Glu Leu Leu Gly Arg Thr Gly Thr Leu Val Glu Glu Ala Phe
 1 5 10 15

Trp Ile Asp Lys Ile Lys Ser His Cys Phe Val Thr Tyr Ser Thr Val
 20 25 30

Glu Glu Ala Val Ala Thr Arg Thr Ala Leu His Gly Val Lys Trp Pro
 35 40 45

Gln Ser Asn Pro Lys Phe Leu
 50 55

<210> 578

<211> 53

<212> PRT

<213> Homo sapiens

<400> 578

Val Asp Arg Pro Ser Glu Thr Lys Thr Glu Glu Gln Gly Ile Pro Arg
 1 5 10 15

Pro Leu His Pro Pro Pro Pro Pro Val Gln Pro Pro Gln His Pro
 20 25 30

Arg Ala Glu Gln Arg Glu Gln Glu Arg Ala Val Arg Glu Gln Trp Ala
 35 40 45

Glu Arg Glu Arg Glu
 50

<210> 579

<211> 59

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 579

Glu Trp Asp Arg Asp Lys Val Arg Glu Gly Pro Arg Ser Arg Ser Arg
 1 5 10 15

Ser Arg Xaa Arg Arg Arg Lys Glu Arg Ala Lys Ser Lys Glu Lys Lys
 20 25 30

Ser Glu Lys Lys Glu Lys Ala Gln Glu Glu Pro Pro Ala Lys Leu Leu
 35 40 45

Asp Asp Leu Phe Arg Lys Thr Lys Ala Ala Pro
 50 55

<210> 580
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 580
 Pro Leu Thr Asp Ser Gln Ile Val Gln Lys Glu Ala Glu Arg Ala Glu
 1 5 10 15
 Arg Ala Lys Glu Arg Glu Lys Arg Arg Lys Glu Gln Glu Glu Glu
 20 25 30
 Gln Lys Glu Arg Glu Lys Glu Ala Glu Arg Glu Arg Asn Arg Gln Leu
 35 40 45
 Glu Arg Glu Lys Arg Arg Glu His Ser Arg Glu Arg Asp Arg Glu Arg
 50 55 60

<210> 581
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 581
 Leu Asp Val Pro Leu Ala Ser Arg Ser Pro Glu Phe Pro Leu Pro Leu
 1 5 10 15
 Met Thr Gln Ser Glu Leu Pro Arg Cys Pro Pro His Pro Gly Ala Arg
 20 25 30

<210> 582
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 582
 Leu Ala Thr Leu Ser Ile Ser Pro Ile Trp Ser Val Leu Ser Leu
 1 5 10 15

<210> 583
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 583

Gly Cys Asp Ser Cys Pro Pro His Leu Pro Arg Glu Ala Phe Ala Gln
 1 5 10 15

Asp Thr Gln Ala Glu Gly Glu Cys Ser Ser Arg Ala Glu Arg Ala Asp
 20 25 30

Met Cys Pro Asp Ala Pro Pro Ser Gln Glu Val Pro Glu Gly Pro Gly
 35 40 45

Ala Ala Pro
 50

<210> 584

<211> 91

<212> PRT

<213> Homo sapiens

<400> 584

Arg Gly Trp Leu Pro Ser Ser Cys Leu Ser Cys Ala Leu Arg Val Cys
 1 5 10 15

Pro Asp Ser Ser Ser Thr Gln Ala Met Gly Met Leu Leu Ala Phe Trp
 20 25 30

Leu Pro Gly Ala Ser Trp Gln Glu Ala Ala Arg Gly Gln Tyr Ser Glu
 35 40 45

Asp Glu Asp Thr Asp Thr Asp Glu Tyr Lys Glu Ala Lys Ala Ser Ile
 50 55 60

Asn Pro Val Thr Gly Arg Val Glu Glu Lys Pro Pro Asn Pro Met Glu
 65 70 75 80

Gly Met Thr Glu Glu Gln Lys Glu His Glu Ala
 85 90

<210> 585

<211> 27

<212> PRT

<213> Homo sapiens

<400> 585

Thr Gln Ala Met Gly Met Leu Leu Ala Phe Trp Leu Pro Gly Ala Ser
 1 5 10 15

Trp Gln Glu Ala Ala Arg Gly Gln Tyr Ser Glu
 20 25

<210> 586

<211> 50

<212> PRT

<213> Homo sapiens

<400> 586

Pro Gln Leu Pro Ser Cys Gly Arg Pro Trp Pro Gly Thr Ala Ser Val
 1 5 10 15

Phe Gln Ser His Thr Gln Gly Pro Arg Glu Asp Pro Asp Pro Cys Arg
 20 25 30

Ala Gln Gly Ser Ala Gly Thr His Cys Pro Ile Ser Leu Ser Pro Pro
 35 40 45

Arg Gln
 50

<210> 587

<211> 103

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 587

Lys Thr His Pro Arg Ala Leu Trp Ser Ala Gly Pro Ser Cys Ala Leu
 1 5 10 15

Cys Pro Gly Gly Ser Gly Xaa Thr Ser Pro Pro Gln Gly Ala Pro Arg
 20 25 30

Gly Ile Xaa Trp Asp Arg Cys Pro Gln Ile Gln Val Leu Glu Gly Gln
 35 40 45

Arg Val Arg Phe Pro Ser Gln Pro Gln His Pro Ser His Leu Ala Pro
 50 55 60

Arg Gly Gly Cys Gly Trp Arg Pro Asp Ser Arg Pro Leu Leu Pro Thr
 65 70 75 80

Pro Ser Gly Leu Ser Ser Phe Phe Pro Leu Asp Ala Gln Cys Trp Pro
 85 90 95

Trp Arg Thr Val Ser Trp Arg
 100

<210> 588

<211> 200

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (174)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (186)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 588

Ala	Gly	Ala	Pro	Gly	Gln	Gln	Ala	Arg	Leu	Gln	Tyr	Leu	Leu	Ser	Phe
1				5					10					15	

Gln	Gly	Glu	Gly	Ala	Pro	His	Glu	Xaa	Gly	Ala	Thr	Gly	Glu	Gly	Gly
		20						25					30		

Asp	Gly	Ala	Trp	Glu	Ala	Cys	Xaa	Cys	Xaa	Arg	Cys	Leu	Leu	Asn	Trp
		35					40					45			

Gln	Ala	Gly	Gly	Trp	Gly	Leu	Gln	Leu	Ser	Leu	Met	Trp	Leu	His	Arg
	50					55					60				

Gly	Pro	Leu	Arg	Pro	Pro	Gly	Val	Arg	Trp	Thr	Pro	Trp	Ala	Phe	Leu
65					70					75					80

Glu	Ala	Cys	Ser	Trp	Gly	Pro	Ala	Leu	Ser	Leu	Leu	Gly	Ser	Gly	His
			85						90					95	

Ser	Leu	Pro	Gly	Thr	His	Glu	Gln	Ala	Ala	Trp	Ser	Arg	Gly	Cys	Gly
		100						105					110		

Gln	His	Gly	Gln	Ser	Pro	Thr	Gln	Lys	Cys	Lys	Ser	Ser	Lys	Glu	Pro
	115						120					125			

Leu	Ala	Gln	Ala	Pro	Pro	Trp	Asp	Ser	Pro	Ala	Ala	Pro	Pro	His	Gln
	130					135					140				

Gly	Phe	Ala	Asp	Val	Leu	Glu	Arg	Pro	Thr	Leu	Glu	Pro	Phe	Gly	Val
145					150					155					160

Leu	Ala	Pro	Pro	Val	Pro	Ser	Ala	Leu	Val	Glu	Ala	Ala	Xaa	Gln	Val
				165					170					175	

Leu	Leu	Arg	Glu	Pro	Gln	Gly	Gly	Phe	Xaa	Gly	Thr	Ala	Ala	His	Arg
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

180

185

190

Ser Arg Cys Trp Lys Gly Ser Gly
195 200

<210> 589

<211> 145

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 589

Met Gln Leu Leu Phe Leu Leu Pro His Pro Ser Pro Gln Leu His Ala
1 5 10 15

Ser Leu Pro His Ser Ala Ala Leu Pro Cys Pro Arg Gly Glu Ser Leu
20 25 30

Thr Thr Ala Ser Pro Ala Gly Ala Ala Gly Arg Xaa Asp Ala Val Pro
35 40 45

Arg Cys Arg His Gln Ala Gly Arg Gly Trp Val Pro Arg Gly Pro Cys
50 55 60

Glu Arg Gly Gly Gly Asp Arg Gly Lys Pro Arg Ala Val Ala Trp Asp
65 70 75 80

Xaa Gly Ser Leu Arg Trp Ala Val Trp Ser Ala Arg Ala Gly Gln Gly
85 90 95

Arg Ser Ser Glu Pro Ala Pro Leu Ala Ser Arg Arg Gly Tyr Ser Thr
100 105 110

Cys Cys Leu Ser Arg Gly Lys Gly Leu Pro Met Arg Xaa Gly Arg Arg
115 120 125

Gly Arg Gly Val Met Val Pro Gly Lys Pro Ala Cys Ala Xaa Gly Ala
130 135 140

Cys
145

<210> 590
<211> 34
<212> PRT
<213> Homo sapiens

<400> 590
Gln His Pro Ser His Leu Ala Pro Arg Gly Gly Cys Gly Trp Arg Pro
1 5 10 15
Asp Ser Arg Pro Leu Leu Pro Thr Pro Ser Gly Leu Ser Ser Phe Phe
20 25 30

Pro Leu

<210> 591
<211> 30
<212> PRT
<213> Homo sapiens

<400> 591
Gly Val Arg Trp Thr Pro Trp Ala Phe Leu Glu Ala Cys Ser Trp Gly
1 5 10 15
Pro Ala Leu Ser Leu Leu Gly Ser Gly His Ser Leu Pro Gly
20 25 30

<210> 592
<211> 28
<212> PRT
<213> Homo sapiens

<400> 592
Trp Asp Ser Pro Ala Ala Pro Pro His Gln Gly Phe Ala Asp Val Leu
1 5 10 15
Glu Arg Pro Thr Leu Glu Pro Phe Gly Val Leu Ala
20 25

<210> 593
<211> 28
<212> PRT
<213> Homo sapiens

<400> 593
Arg Ser Ser Glu Pro Ala Pro Leu Ala Ser Arg Arg Gly Tyr Ser Thr
1 5 10 15
Cys Cys Leu Ser Arg Gly Lys Gly Leu Pro Met Arg
20 25

<210> 594

<211> 42

<212> PRT

<213> Homo sapiens

<400> 594

Pro Gly Phe Arg Gly Pro Ser Gly Ser Leu Gly Cys Ser Phe Phe Pro
 1 5 10 15

Arg Ser Leu Gly Arg Val Leu Pro Pro Gly Cys Gln Arg Pro Gly Ala
 20 25 30

His Ala Asp Ser Ser Pro Pro Thr Pro
 35 40

<210> 595

<211> 84

<212> PRT

<213> Homo sapiens

<400> 595

Glu Asp Leu Lys Lys Pro Asp Pro Ala Ser Leu Arg Ala Ala Ser Cys
 1 5 10 15

Gly Glu Gly Lys Lys Arg Lys Ala Cys Lys Asn Cys Thr Cys Gly Leu
 20 25 30

Ala Glu Glu Leu Glu Lys Glu Lys Ser Arg Glu Gln Met Ser Ser Gln
 35 40 45

Pro Lys Ser Ala Cys Gly Asn Cys Tyr Leu Gly Asp Ala Phe Arg Cys
 50 55 60

Ala Ser Cys Pro Tyr Leu Gly Met Pro Ala Phe Lys Pro Gly Glu Lys
 65 70 75 80

Val Leu Leu Ser

<210> 596

<211> 90

<212> PRT

<213> Homo sapiens

<400> 596

Glu Asp Leu Lys Lys Pro Asp Pro Ala Ser Leu Arg Ala Ala Ser Cys
 1 5 10 15

Gly Glu Gly Lys Lys Arg Lys Ala Cys Lys Asn Cys Thr Cys Gly Leu
 20 25 30

Ala Glu Glu Leu Glu Lys Glu Lys Ser Arg Glu Gln Met Ser Ser Gln
 35 40 45

Pro Lys Ser Ala Cys Gly Asn Cys Tyr Leu Gly Asp Ala Phe Arg Cys
 50 55 60

Ala Ser Cys Pro Tyr Leu Gly Met Pro Ala Phe Lys Pro Gly Glu Lys
 65 70 75 80

Val Leu Leu Ser Asp Ser Asn Leu His Asp
 85 90

<210> 597

<211> 34

<212> PRT

<213> Homo sapiens

<400> 597

Cys Gly Asn Cys Tyr Leu Gly Asp Ala Phe Arg Cys Ala Ser Cys Pro
 1 5 10 15

Tyr Leu Gly Met Pro Ala Phe Lys Pro Gly Glu Lys Val Leu Leu Ser
 20 25 30

Asp Ser

<210> 598

<211> 25

<212> PRT

<213> Homo sapiens

<400> 598

Ser Cys Gly Glu Gly Lys Lys Arg Lys Ala Cys Lys Asn Cys Thr Cys
 1 5 10 15

Gly Leu Ala Glu Glu Leu Glu Lys Glu
 20 25

<210> 599

<211> 21

<212> PRT

<213> Homo sapiens

<400> 599

Ser Gln Pro Lys Ser Ala Cys Gly Asn Cys Tyr Leu Gly Asp Ala Phe
 1 5 10 15

Arg Cys Ala Ser Cys
 20

<210> 600

<211> 17

<212> PRT

<213> Homo sapiens

<400> 600

Arg Glu Ala Gly Gln Asn Ser Glu Arg Gln Tyr Val Ser Leu Ser Arg
 1 5 10 15

Asp

<210> 601

<211> 16

<212> PRT

<213> Homo sapiens

<400> 601

Cys Cys Cys Val Ser Lys Asp Gln Gly Ile Met Gly Pro Gly Phe Arg
 1 5 10 15

<210> 602

<211> 103

<212> PRT

<213> Homo sapiens

<400> 602

His Ser Val Thr Glu Leu Gln Thr Pro Ala Leu Ser Leu Ile Ser Ala
 1 5 10 15

Met Leu Pro Pro Ser Cys Leu Ser Glu Leu Leu Val Tyr Ser Ile Leu
 20 25 30

Cys Asp Thr Ser Gln Val Ala His Asn Leu Leu Arg Ala Pro Glu Asp
 35 40 45

Ser Leu Thr Gly Cys Cys Asp Asp Ile Gln Cys Pro Ser Ala Pro Phe
 50 55 60

His Pro Gln Pro His Leu Thr Val Ala Leu His Leu Cys Pro Val Val
 65 70 75 80

Ile Tyr Val Asn Leu Gln Val Leu Asn Leu Leu His Ile Leu Thr Tyr
 85 90 95

Leu Glu Ile Leu His Val Leu
 100

<210> 603

<211> 24

<212> PRT

<213> Homo sapiens

<400> 603

Leu Leu Val Tyr Ser Ile Leu Cys Asp Thr Ser Gln Val Ala His Asn
 1 5 10 15

Leu Leu Arg Ala Pro Glu Asp Ser

20

<210> 604

<211> 26

<212> PRT

<213> Homo sapiens

<400> 604

Leu Thr Val Ala Leu His Leu Cys Pro Val Val Ile Tyr Val Asn Leu
 1 5 10 15

Gln Val Leu Asn Leu Leu His Ile Leu Thr
 20 25

<210> 605

<211> 55

<212> PRT

<213> Homo sapiens

<400> 605

Phe Phe Asn Ala Leu Tyr Val Phe Arg Lys Pro Gln Ala Ile Phe Asp
 1 5 10 15

Ser Glu Lys Glu Asn Lys Arg Lys Asn Pro Thr Lys Tyr Asn Asn Pro
 20 25 30

Leu Arg Tyr Ile Tyr Phe Lys Val Lys Leu Ile Phe Gln Phe Ile Pro
 35 40 45

Leu Ala Asn Tyr Lys Ile Lys
 50 55

<210> 606

<211> 90

<212> PRT

<213> Homo sapiens

<400> 606

Glu Ser Ser Gly Gln Ala Arg Thr Leu Ala Asp Pro Gly Pro Gly Trp
 1 5 10 15

Pro Arg Gln Gln Gly Met Cys Phe Gly Ser Leu Thr Gly Leu Ser Thr
 20 25 30

Thr Pro His Gly Phe Leu Thr Val Ser Ala Glu Ala Asp Pro Arg Leu
 35 40 45

Ile Glu Ser Leu Ser Gln Met Leu Ser Met Gly Phe Ser Asp Glu Gly
 50 55 60

Gly Trp Leu Thr Arg Leu Leu Gln Thr Lys Asn Tyr Asp Ile Gly Ala
 65 70 75 80

Ala Leu Asp Thr Ile Gln Tyr Ser Lys His
 85 90

<210> 607

<211> 100

<212> PRT

<213> Homo sapiens

<400> 607

Tyr Ser Met Val Tyr Ile Tyr His Ile Phe Phe Ile His Ser Leu Leu
 1 5 10 15

Asp Gly Gln Leu Gly Trp Phe His Ile Phe Ala Ile Val Ser Cys Ala
 20 25 30

Ala Pro Asp Ile Ile Phe Asn Ser Phe Ala Phe Ser Thr Tyr Ile Ser
 35 40 45

Lys Ser Cys Ser Phe Tyr Leu Gln Asn Val Ser Cys Ile His Ser Ser
 50 55 60

Leu Ser Ile Phe Asn Leu Phe Gln Cys Pro Ile Ile Ser Cys Met Glu
 65 70 75 80

Glu Cys Asn Asn Trp Leu Thr Gly Leu Phe Leu His Phe Lys Ile Lys
 85 90 95

Arg Cys Asp Arg
 100

<210> 608

<211> 67

<212> PRT

<213> Homo sapiens

<400> 608

Leu Ser Pro Ser Pro Arg Cys Cys Pro Trp Ala Ser Leu Met Lys Ala
 1 5 10 15

Ala Gly Ser Pro Gly Ser Cys Arg Pro Arg Thr Met Thr Ser Glu Arg
 20 25 30

Leu Trp Thr Pro Ser Ser Ile Gln Ser Ile Pro Arg Arg Cys Asp His
 35 40 45

Phe Cys Pro Pro Leu Leu Arg Ala Pro Leu Leu Ser His Ser Cys Val
 50 55 60

Lys Leu Ala
 65

<210> 609

<211> 34

<212> PRT

<213> Homo sapiens

<400> 609

Gly Trp Pro Arg Gln Gln Gly Met Cys Phe Gly Ser Leu Thr Gly Leu
 1 5 10 15

Ser Thr Thr Pro His Gly Phe Leu Thr Val Ser Ala Glu Ala Asp Pro
 20 25 30

Arg Leu

<210> 610

<211> 33

<212> PRT

<213> Homo sapiens

<400> 610

Leu Gly Trp Phe His Ile Phe Ala Ile Val Ser Cys Ala Ala Pro Asp
 1 5 10 15

Ile Ile Phe Asn Ser Phe Ala Phe Ser Thr Tyr Ile Ser Lys Ser Cys
 20 25 30

Ser

<210> 611

<211> 25

<212> PRT

<213> Homo sapiens

<400> 611

Ser Leu Ser Ile Phe Asn Leu Phe Gln Cys Pro Ile Ile Ser Cys Met
 1 5 10 15

Glu Glu Cys Asn Asn Trp Leu Thr Gly
 20 25

<210> 612

<211> 30

<212> PRT

<213> Homo sapiens

<400> 612

Leu Met Lys Ala Ala Gly Ser Pro Gly Ser Cys Arg Pro Arg Thr Met
 1 5 10 15

Thr Ser Glu Arg Leu Trp Thr Pro Ser Ser Ile Gln Ser Ile
 20 25 30

<210> 613

<211> 152

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
 <222> (35)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 613
 Ser Ser Ser Ser Pro Arg Arg Pro Arg Glu Leu Leu Gly Ser Leu Lys
 1 5 10 15
 Thr Pro Leu Val Arg Pro His Ser Ala Pro Leu Asp Leu Pro Gly Ser
 20 25 30
 Phe Cys Xaa His Thr Ala Asp Pro Met Gly Ala Leu His Thr Arg Phe
 35 40 45
 Trp Gly Arg Gln Thr Trp Ile His Arg Lys Leu Arg Leu His Gly Thr
 50 55 60
 Ser Arg Leu Ala Ser Lys Xaa Gly Ile Gln Phe Leu Arg Asn Pro Ser
 65 70 75 80
 Lys Thr His Thr Pro Arg Asp Ala Ala Phe Arg Asp Pro Gly Gln Thr
 85 90 95
 Pro Asp Pro Gln Ser Leu Gln Ala Pro Ser Pro Ser Lys Cys Ser Ala
 100 105 110
 Pro Asn Arg Ala Thr Ser Val Trp Ser Leu Lys Pro Arg Leu Leu Tyr
 115 120 125
 Lys His Arg Pro Ser Ser Asp Lys Thr Pro Pro Pro Gly Arg Gln Ala
 130 135 140
 Pro Leu Leu Phe Phe Ser Ala Gly
 145 150

<210> 614
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 614
 Phe Leu Arg Asn Pro Ser Lys Thr His Thr Pro Arg Asp Ala Ala Phe
 1 5 10 15
 Arg Asp Pro Gly Gln Thr Pro Asp Pro Gln Ser Leu Gln Ala
 20 25 30

<210> 615
 <211> 159
 <212> PRT
 <213> Homo sapiens

<223> Xaa equals any of the naturally occurring L-amino acids

<223> Xaa equals any of the naturally occurring L-amino acids

Gln Glu Gly Ser Glu Pro Val Leu Leu Glu Gly Glu Cys Leu Val Val
1 5 10 15

Cys Glu Pro Gly Arg Ala Ala Ala Gly Gly Pro Gly Gly Ala Ala Leu
20 25 30

Gly Glu Ala Pro Pro Gly Arg Val Ala Phe Xaa Ala Val Arg Ser His
35 40 45

His His Glu Pro Ala Gly Glu Thr Gly Asn Gly Thr Ser Gly Ala Ile
50 55 60

Tyr Phe Asp Gln Val Leu Val Asn Glu Gly Gly Gly Phe Asp Arg Ala
65 70 75 80

Ser Gly Ser Phe Val Ala Pro Val Arg Gly Val Tyr Ser Phe Arg Phe
85 90 95

His Val Val Lys Val Tyr Asn Arg Gln Thr Val Gln Val Ser Leu Met
100 105 110

Leu Asn Thr Trp Pro Val Ile Ser Ala Phe Ala Asn Asp Pro Asp Val
115 120 125

Thr Arg Glu Ala Ala Thr Ser Ser Val Leu Leu Pro Leu Asp Pro Gly
130 135 140

Asp Arg Val Ser Leu Arg Leu Arg Arg Gly Xaa Ser Thr Gly Trp
145 150 155

<213> Homo sapiens

Gly Glu Thr Gly Asn Gly Thr Ser Gly Ala Ile Tyr Phe Asp Gln Val
1 5 10 15

Leu Val Asn Glu Gly Gly Gly Phe Asp Arg Ala Ser Gly Ser Phe Val
20 25 30

Ala Pro Val
35

<210> 617
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 617
 Asn Asp Pro Asp Val Thr Arg Glu Ala Ala Thr Ser Ser Val Leu Leu
 1 5 10 15
 Pro Leu Asp Pro Gly Asp Arg Val Ser
 20 25

<210> 618
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 618
 Phe His Val Val Lys Val Tyr Asn Arg Gln Thr
 1 5 10

<210> 619
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 619
 Ile Tyr Phe Asp Gln Val Leu Val Asn
 1 5

<210> 620
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 620
 Glu Ser Arg Glu Arg Ser Gly Asn Arg Arg Gly Ala Glu Asp Arg Gly
 1 5 10 15
 Thr Cys Gly Leu Gln Ser Pro Ser Ala
 20 25

<210> 621
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (30)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <220>

> SITE
 > (31)
 > Xaa equals any of the naturally occurring L-amino acids

>
 > SITE
 > (34)
 > Xaa equals any of the naturally occurring L-amino acids

>
 > SITE
 > (37)
 > Xaa equals any of the naturally occurring L-amino acids

0> 621

Met Pro Gln Phe Tyr Phe Phe Leu Lys Leu Gly Cys Leu Ala Gln
 5 10 15

Pro Met Gln Arg Gly Gly Ile Gly Ala Arg Gly Ser Xaa Xaa Pro
 20 25 30

Xaa Ala Val Xaa Gly Ala Arg Glu Gly Arg Arg Lys Leu Ser Gly
 35 40 45

Gly Phe Leu Cys Leu Lys Asp Leu Gly Pro Ser Glu Arg Glu Asp
 50 55 60

Glu Ala Arg Glu Thr
 70

0> 622

.1> 27

.2> PRT

.3> Homo sapiens

00> 622

Pro Gln Phe Tyr Phe Phe Leu Lys Leu Gly Cys Leu Ala Gln Val
 1 5 10 15

Met Gln Arg Gly Gly Ile Gly Ala Arg Gly
 20 25

10> 623

11> 185

12> PRT

13> Homo sapiens

.00> 623

n Ala Thr Cys Ser Ala Ser Gly Ser Pro Gly Gln Phe Gly Gly Cys
 1 5 10 15

r Pro Ser Pro His Gly Thr Gly Ser Cys Arg His Pro Gly Gln Gly
 20 25 30

u Arg Arg Ser Gln Arg Pro Gly Gln Ser His Arg Pro Arg Ser Pro
 35 40 45

Gly Pro Gly Arg Ser Arg Trp Pro His Trp Cys His Cys Arg Phe Pro
50 55 60

Leu Leu Ala His Gly Gly Gly Phe Gly Pro Gln Gln Met Pro Leu Ala
65 70 75 80

Gln Gly Val Pro Leu Pro Gly Leu Leu Pro Arg Ala Pro Leu Gln Gln
85 90 95

Leu Gly Gln Ala His Arg Pro Pro Gly Thr Pro Pro Pro Ala Gly Arg
100 105 110

Ala Leu Thr Pro Pro Gly Pro Thr Arg Pro Pro Gly Pro Glu Ala Pro
115 120 125

Glu Pro Arg Ala Ala Arg Asp Cys Val Gly Asp Leu Val Ala Ser Val
130 135 140

Ala Trp Leu Pro Thr Trp Leu Arg Gly Ser Ala Thr His Lys Cys Pro
145 150 155 160

Gly Leu Leu Pro Leu Phe Cys Phe Arg Ser Ser Pro Trp Ile Leu Thr
165 170 175

Ala Gly Thr Leu Ile Val Cys Pro Leu
180 185

<210> 624

<211> 25

<212> PRT

<213> Homo sapiens

<400> 624

Gly Cys Thr Pro Ser Pro His Gly Thr Gly Ser Cys Arg His Pro Gly
1 5 10 15

Gln Gly Leu Arg Arg Ser Gln Arg Pro
20 25

<210> 625

<211> 26

<212> PRT

<213> Homo sapiens

<400> 625

Ser Arg Trp Pro His Trp Cys His Cys Arg Phe Pro Leu Leu Ala His
1 5 10 15

Gly Gly Gly Phe Gly Pro Gln Gln Met Pro
20 25

<210> 626

<211> 28

<212> PRT

<213> Homo sapiens

<400> 626

Asp Cys Val Gly Asp Leu Val Ala Ser Val Ala Trp Leu Pro Thr Trp
1 5 10 15

Leu Arg Gly Ser Ala Thr His Lys Cys Pro Gly Leu
20 25

<210> 627

<211> 115

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 627

Asp Asp Arg Pro Arg Val Gln His Gln Ala His Leu Asp Ser Leu Ala
1 5 10 15

Val Val His Leu His His Met Glu Pro Glu Ala Val Asp Thr Pro Asp
20 25 30

Arg Gly Tyr Glu Gly Ala Arg Gly Pro Val Lys Ala Thr Ala Leu Val
35 40 45

His Gln Asp Leu Val Glu Val Asp Gly Pro Thr Gly Ala Ile Ala Gly
50 55 60

Phe Pro Cys Trp Leu Met Val Val Ala Ser Asp Arg Xaa Lys Cys His
65 70 75 80

Ser Pro Arg Gly Cys Leu Ser Gln Gly Cys Ser Pro Gly Pro Pro Cys
85 90 95

Ser Ser Ser Ala Arg Leu Thr Asp His Gln Ala Leu Pro Leu Gln Gln
100 105 110

Asp Gly Leu
115

<210> 628

<211> 31

<212> PRT

<213> Homo sapiens

<400> 628

Tyr Glu Gly Ala Arg Gly Pro Val Lys Ala Thr Ala Leu Val His Gln
1 5 10 15

Asp Leu Val Glu Val Asp Gly Pro Thr Gly Ala Ile Ala Gly Phe
20 25 30

<210> 629

<211> 159

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 629

Met	Ala	Pro	Leu	Val	Pro	Leu	Pro	Val	Ser	Pro	Ala	Gly	Ser	Trp	Trp
1				5					10					15	

Trp	Leu	Arg	Thr	Ala	Xaa	Asn	Ala	Thr	Arg	Pro	Gly	Gly	Ala	Ser	Pro
			20					25					30		

Arg	Ala	Ala	Pro	Pro-Gly	Pro	Pro	Ala	Ala	Ala	Arg	Pro	Gly	Ser	Gln	
		35				40						45			

Thr	Thr	Arg	His	Ser	Pro	Ser	Ser	Arg	Thr	Gly	Ser	Asp	Pro	Ser	Trp
	50					55					60				

Ala	His	Pro	Ala	Pro	Arg	Ala	Arg	Ser	Thr	Arg	Thr	Lys	Gly	Ser	Pro
65					70					75					80

Gly	Leu	Cys	Arg	Gly	Pro	Gly	Ser	Gln	Cys	Gly	Leu	Ala	Pro	Asn	Met
				85					90					95	

Ala	Glu	Gly	Leu	Cys	Asn	Pro	Gln	Val	Pro	Arg	Ser	Ser	Ala	Pro	Leu
			100					105					110		

Leu	Phe	Pro	Leu	Leu	Ser	Leu	Asp	Ser	His	Arg	Arg	His	Pro	Asp	Ser
		115					120						125		

Leu	Pro	Ser	Leu	Gly	Ser	Leu	Asn	Pro	Leu	Ser	Ile	Pro	Val	Ser	Gln
	130						135				140				

Leu	Cys	Pro	Ala	Ser	His	Ser	Tyr	Ser	Cys	Cys	His	Cys	Ser	Ser	
145					150					155					

<210> 630

<211> 29

<212> PRT

<213> Homo sapiens

<400> 630

Ser	Ser	Arg	Thr	Gly	Ser	Asp	Pro	Ser	Trp	Ala	His	Pro	Ala	Pro	Arg
1					5				10					15	

Ala	Arg	Ser	Thr	Arg	Thr	Lys	Gly	Ser	Pro	Gly	Leu	Cys			
			20					25							

<210> 631

<211> 27

<212> PRT
 <213> Homo sapiens

<400> 631

Arg Arg His Pro Asp Ser Leu Pro Ser Leu Gly Ser Leu Asn Pro Leu
 1 5 10 15

Ser Ile Pro Val Ser Gln Leu Cys Pro Ala Ser
 20 25

<210> 632

<211> 31

<212> PRT

<213> Homo sapiens

<400> 632

Ser Thr His Ala Ser Gly Pro Pro Ala Pro Glu Arg Leu Cys Leu Pro
 1 5 10 15

Glu Arg Gly Thr Ala Pro Trp Gly Arg Arg Ala Asn Asp Ala Ala
 20 25 30

<210> 633

<211> 181

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (165)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 633

Val Arg Arg Trp Trp Leu Arg Thr Met Gly Ala Ala Ala His Cys Thr
 1 5 10 15

Pro Glu Gln Arg Arg Pro Arg Arg Pro Ala Thr Ile Leu Gly Met Asp
 20 25 30

Thr Gln Asn Ile Leu His Thr Arg Leu Ser Leu Cys Ser Leu Ser Trp
 35 40 45

Val Ser Leu Ala Ser Ser Phe Xaa Xaa Leu Ala Xaa Arg Arg Lys Ala
 50 55 60

Ile Val Val Gln Gln Lys Gln Ser Lys Ile Ser Lys Lys Lys Lys Val
 65 70 75 80

Glu Lys Xaa Xaa Leu Asn Asp Ser Val Asn Glu Asn Ser Asp Thr Val
 85 90 95

Gly Gln Ile Val His Tyr Ile Met Lys Asn Glu Ala Asn Ala Asp Val
 100 105 110

Leu Lys Ala Met Val Ala Asp Asn Ser Leu Tyr Asp Pro Glu Ser Pro
 115 120 125

Val Thr Pro Ser Thr Pro Gly Ser Pro Pro Val Ser Pro Gly Leu Cys
 130 135 140

His Gln Gly Gly Arg Gln Gly Ser Thr Ser Val Ala Ile Ile Cys Ile
 145 150 155 160

Arg Trp Ala Val Xaa Ser Arg Gly Met Cys Val Ile Gly Val Gly Thr
 165 170 175

Ser Gly Gly Thr Leu
 180

<210> 634

<211> 29

<212> PRT

<213> Homo sapiens

<400> 634

Ile Met Lys Asn Glu Ala Asn Ala Asp Val Leu Lys Ala Met Val Ala
 1 5 10 15

Asp Asn Ser Leu Tyr Asp Pro Glu Ser Pro Val Thr Pro
 20 25

<210> 635

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 635

His Cys His Leu Trp Ala Ser Gly Ser Cys Leu Ala Cys Phe Phe Pro
1 5 10 15

Gly Gly Leu Thr Arg Asp Ala Ala Gln Gln His Val Thr Lys Ser Tyr
20 25 30

Ser Pro Pro Tyr Leu Ser Gln Thr Ser His Ser Cys Leu Val Phe Gln
35 40 45

Pro Val Leu Trp Pro Glu Tyr Thr Phe Trp Asn Leu Phe Glu Ala Ile
50 55 60

Leu Gln Phe Gln Met Asn His Ser Val Leu Gln Gln Xaa Gly Pro Arg
65 70 75 80

His Val Cys Arg Gly Ala Glu Glu Ala Ala Ala Gly Glu Gly Pro Gly
85 90 95

Tyr Ser Asp Arg Ala Ala Ala Ala Arg Gly Ala Pro Ser Gln Trp Gly
100 105 110

Arg Pro Ala Pro Lys Asp Thr Leu Ala Gln Thr Leu Gly Gln Thr Gly
115 120 125

Arg Ala Ser Pro Arg Leu Pro Ala Gly Leu Gly Thr Gln Ala Ser
130 135 140

<210> 636

<211> 28

<212> PRT

<213> Homo sapiens

<400> 636

Pro Ala Pro Lys Asp Thr Leu Ala Gln Thr Leu Gly Gln Thr Gly Arg
1 5 10 15

Ala Ser Pro Arg Leu Pro Ala Gly Leu Gly Thr Gln
20 25

<210> 637

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 637

Thr Ile Ala Cys Phe Ser Xaa Lys Ala Arg Asp Met Tyr Ala Glu Glu

1 5 10 15
 Arg Lys Arg Gln Gln Leu Glu Arg Asp Gln Ala Thr Val Thr Glu Gln
 20 25 30
 Leu Leu Arg Glu Gly Leu Gln Ala Ser Gly Asp Ala Gln Leu Arg Arg
 35 40 45
 Thr Arg Leu His Lys Leu Ser Ala Arg Arg Glu Glu Arg Val Gln Gly
 50 55 60
 Phe Leu Gln Ala Leu Glu Leu Lys Arg Ala Asp Trp Leu Ala Arg Leu
 65 70 75 80
 Gly Thr Ala Ser Ala
 85

<210> 638
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 638
 Leu Arg Arg Thr Arg Leu His Lys Leu Ser Ala Arg Arg Glu Glu Arg
 1 5 10 15
 Val Gln Gly Phe Leu Gln Ala Leu Glu Leu Lys Arg
 20 25

<210> 639
 <211> 112
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 639
 Lys Met Asn Ser Ile Pro Trp Gln Ile Pro Lys Ile Thr Pro Xaa Leu
 1 5 10 15
 Asp Ala Asn Leu Val Ile Val Glu Cys Lys Pro Leu Trp Phe Cys Ile
 20 25 30
 Gly Thr Ile Lys Gln Leu Lys Leu Trp Asn Gln Val Phe Met Gly Phe
 35 40 45
 Lys Ser Met Phe Phe Arg Ile Gly Lys Leu Asn Tyr Leu Phe Thr Ile
 50 55 60
 Pro Tyr Cys Tyr Leu Phe Ile Asp Asn Ile Leu Gly Ile Phe Tyr Ser
 65 70 75 80
 Ile Leu Gly Ala Gln Gly Ile Lys Tyr Asn Phe Tyr Ile Gln Arg Ile

85

90

95

Phe Thr Cys Leu Leu Asn Leu Asn Leu Lys Ile His Ser Asn Leu Ala
 100 105 110

<210> 640

<211> 27

<212> PRT

<213> Homo sapiens

<400> 640

Leu Trp Phe Cys Ile Gly Thr Ile Lys Gln Leu Lys Leu Trp Asn Gln
 1 5 10 15

Val Phe Met Gly Phe Lys Ser Met Phe Phe Arg
 20 25

<210> 641

<211> 26

<212> PRT

<213> Homo sapiens .

<400> 641

Tyr Ser Ile Leu Gly Ala Gln Gly Ile Lys Tyr Asn Phe Tyr Ile Gln
 1 5 10 15

Arg Ile Phe Thr Cys Leu Leu Asn Leu Asn
 20 25

<210> 642

<211> 9

<212> PRT

<213> Homo sapiens

<400> 642

Thr Phe Lys Leu Val Arg Phe Leu Glu
 1 5

<210> 643

<211> 32

<212> PRT

<213> Homo sapiens

<400> 643

Pro Arg Ser Arg Pro Ala Leu Arg Pro Gly Arg Gln Arg Pro Pro Ser
 1 5 10 15

His Ser Ala Thr Ser Gly Val Leu Arg Pro Arg Lys Lys Pro Asp Pro
 20 25 30

<210> 644
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (115)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 644
 Arg Lys Ser Phe Ala Lys Pro Val Leu Trp Thr Asn Ala Ile Gln Ala
 1 5 10 15
 Gly Arg Gly Arg Val Leu Cys Tyr Thr Arg Pro Pro Pro Ala Ser Ser
 20 25 30
 Ser Phe Ser Ala Leu Val Pro Asp Gly Asn Arg Met Glu Gly Leu Arg
 35 40 45
 Thr Tyr Phe Leu Asn Ala Phe Asp Pro Gly Thr Asp Tyr Leu Tyr Leu
 50 55 60
 Phe Pro Phe Ser Phe Thr Val Thr Phe Gln His Cys Leu Thr Val Arg
 65 70 75 80
 Trp Ala Phe Glu Ser Leu Gln Val Pro Gln Asn Arg Pro Glu Arg Trp
 85 90 95
 Ala Ser His Pro Leu Pro Thr His Xaa Pro Ala Tyr Leu Pro Asp Asn
 100 105 110
 Gln Val Xaa Met Ser Ala Ser Gly
 115 120

<210> 645
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 645
 Gly Asn Arg Met Glu Gly Leu Arg Thr Tyr Phe Leu Asn Ala Phe Asp
 1 5 10 15
 Pro Gly Thr Asp Tyr Leu Tyr Leu Phe
 20 25

<210> 646

<211> 30
 <212> PRT
 <213> Homo sapiens

<400> 646
 Phe Gln His Cys Leu Thr Val Arg Trp Ala Phe Glu Ser Leu Gln Val
 1 5 10 15

Pro Gln Asn Arg Pro Glu Arg Trp Ala Ser His Pro Leu Pro
 20 25 30

<210> 647
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 647
 Met Thr Leu Ile Thr Pro Ser Xaa Lys Leu Thr Phe Xaa Lys Gly Asn
 1 5 10 15

Lys Ser Trp Ser Ser Arg Ala Cys Ser Ser Thr Leu Val Asp Pro
 20 25 30

<210> 648
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 648
 Phe Leu Phe Leu His Ala Val Asp Pro Trp Pro Ser Asn Gly
 1 5 10

<210> 649
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 649
 Trp Ser Cys Gln Ser Gly Val Phe Leu Val Phe Thr Gly Cys Ser Val
 1 5 10 15

Leu Cys Gln Met Leu Ser Gly Ala Val Val Val Trp Arg Arg Ser Ala
 20 25 30

Pro Glu Asp Ser Ala Val Trp Gln Ala Ser Ile Asn Lys Pro Arg Gly

35 40 45
 Lys Gly Arg His Gly Ile Lys Gly Glu Asn Thr Ser Val
 50 55 60

<210> 650
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 650
 Leu Val Phe Thr Gly Cys Ser Val Leu Cys Gln Met Leu Ser Gly Ala
 1 5 10 15
 Val Val Val Trp Arg Arg Ser Ala Pro Glu Asp Ser Ala Val Trp Gln
 20 25 30

Ala Ser Ile
 35

<210> 651
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 651
 Gly His Pro Ser Pro Ala Leu Ser Ile Ala Pro Ser Asp Gly Ser Gln
 1 5 10 15
 Leu Pro Cys Asp Glu Val Pro Tyr Gly Glu Ala His Val Thr Arg Tyr
 20 25 30
 Cys Lys Lys Pro Leu Thr Asn Ser His Leu Glu Thr Glu Ala Gln Ser
 35 40 45

Ser Ser Leu
 50

<210> 652
 <211> 151
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (131)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (145)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 652
 Asn Asn Lys His Tyr Leu Ser Phe Cys Gly Ser Gly Phe Cys Pro Val

1	5	10	15
Tyr Leu Gly Phe Thr Gly Leu Ala Ser His Gln Ala Val Lys Val Leu			
20	25	30	
Val Val Ala Val Ile Ile Pro Arg Gln Asp Arg Glu Arg Ile Cys Leu			
35	40	45	
Gln Ala Gln Val Gly Arg Ile His Leu Arg Gly Cys Trp Thr Gly Pro			
50	55	60	
Pro Phe Leu Asp Gly Tyr Trp Ser Glu Ala Phe Tyr Asn Thr Leu Ser			
65	70	75	80
Arg Gly Pro Leu His Arg Ala Pro His His Met Ala Thr Gly Phe His			
85	90	95	
Gln Arg Glu Gln Trp Lys Glu Gln Glu Lys Gly Asp Gln Gly Arg His			
100	105	110	
Arg Ser Leu Leu Val Ala Ser Pro Gln Lys Arg Cys Tyr Phe Cys Cys			
115	120	125	
Ile Leu Xaa Val Arg Ser Glu Ser Leu Gly Pro Gly Val Glu Phe Tyr			
130	135	140	
Xaa Gly Val Asn Gly Arg Arg			
145	150		

<210> 653
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 653
Glu Arg Ile Cys Leu Gln Ala Gln Val Gly Arg Ile His Leu Arg Gly
1 5 10 15
Cys Trp Thr Gly Pro Pro Phe Leu Asp Gly Tyr Trp Ser Glu Ala Phe
20 25 30

<210> 654
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 654
Ser Asp Gly Ser Gln Leu Pro Cys Asp Glu Val Pro Tyr Gly Glu Ala
1 5 10 15
His Val Thr Arg Tyr Cys Lys Lys Pro Leu
20 25

<210> 655
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 655
 His Gln Arg Glu Gln Trp Lys Glu Gln Glu Lys Gly Asp Gln Gly Arg
 1 5 10 15
 His Arg Ser Leu Leu Val Ala Ser Pro Gln Lys
 20 25

<210> 656
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 656
 GCTTCGTGTC CAACCCTCTT GCCCTTCGCC TGTGTGCCTG GAGCCAGTCC CACCACGCTC 60
 GCGTTTCCTC CTGTAGTGCT CACAGGTCCC AGCACCGATG GCATTCCCTT TGCCCTGAGT 120
 CTGCAGCGGG TCCCTTTTGT GCTTCCTTCC CCTCAGGTAG CCTCTCTCCC CCTGGGCCAC 180
 TCCCGGGGGT GAGGGGGTTA CCCCTTCCCA GTGTTTTTTA TTCCTGTGGG GCTCACCCCA 240
 AAGTATTAAA AGTAGCTTTG TAA 263

<210> 657
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 657
 GCTTCGTGTC CAACCCTCTT GCCCTTCGCC TGTGTGCCTG GAGCCAGTCC CACCACGCTC 60
 GCGTTTCCTC CTGTAGTGCT CACAGGTCCC AGCACCGATG GCATTCCCTT TGCCCTGAGT 120
 CTGCAGCGGG TCCCTTTTGT GCTTCCTTCC CCTCAGGTAG CCTCTCTCCC CCTGGGCCAC 180
 TCCCGGGGGT GAGGGGGTTA CCCCTTCCCA GTGTTTTTTA TTCCTGTGGG GCTCACCCCA 240
 AAGTATTAAA AGTAGCTTTG TAA 263

<210> 658
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 658
 GCTTCGTGTC CAACCCTCTT GCCCTTCGCC TGTGTGCCTG GAGCCAGTCC CACCACGCTC 60

GCGTTTCCTC CTGTAGTGCT CACAGGTCCC AGCACCGATG GCATTCCCTT TGCCCTGAGT 120
 CTGCAGCGGG TCCCTTTTGT GCTTCCTTCC CCTCAGGTAG CCTCTCTCCC CCTGGGCCAC 180
 TCCCGGGGGT GAGGGGGTTA CCCCTTCCCA GTGTTTTTTA TTCCTGTGGG GCTCACCCCA 240
 AAGTATTAAA AGTAGCTTTG TAA 263

<210> 659

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 659

Phe Arg Ile Asn Arg Leu Thr Ile Gly Xaa Ala Val Ala Met Thr Arg
 1 5 10 15

Gly Asn Gln Arg Glu Leu Ala Arg Gln Lys Asn Met Lys Lys Gln Ser
 20 25 30

Asp Ser Val Lys Gly Lys Arg Arg Asp Asp Gly Leu Ser Ala Ala Ala
 35 40 45

Arg Lys Gln Arg Asp Ser Glu Ile
 50 55

<210> 660

<211> 29

<212> PRT

<213> Homo sapiens

<400> 660

Ala Val Ala Met Thr Arg Gly Asn Gln Arg Glu Leu Ala Arg Gln Lys
 1 5 10 15

Asn Met Lys Lys Gln Ser Asp Ser Val Lys Gly Lys Arg
 20 25

<210> 661

<211> 110

<212> PRT

<213> Homo sapiens

<400> 661

Lys Ser Arg Ala Thr Arg Leu Arg Glu Ser Ala Glu Met Thr Gly Phe
 1 5 10 15

Leu Leu Pro Pro Ala Ser Arg Gly Thr Arg Arg Ser Cys Ser Arg Ser
 20 25 30

Arg Lys Arg Gln Thr Arg Arg Arg Arg Asn Pro Ser Ser Phe Val Ala
35 40 45

Ser Cys Pro Thr Leu Leu Pro Phe Ala Cys Val Pro Gly Ala Ser Pro
50 55 60

Thr Thr Leu Ala Phe Pro Pro Val Val Leu Thr Gly Pro Ser Thr Asp
65 70 75 80

Gly Ile Pro Phe Ala Leu Ser Leu Gln Arg Val Pro Phe Val Leu Pro
85 90 95

Ser Pro Gln Val Ala Ser Leu Pro Leu Gly His Ser Arg Gly
100 105 110

<210> 662

<211> 26

<212> PRT

<213> Homo sapiens

<400> 662

Leu Arg Glu Ser Ala Glu Met Thr Gly Phe Leu Leu Pro Pro Ala Ser
1 5 10 15

Arg Gly Thr Arg Arg Ser Cys Ser Arg Ser
20 25

<210> 663

<211> 30

<212> PRT

<213> Homo sapiens

<400> 663

Val Val Leu Thr Gly Pro Ser Thr Asp Gly Ile Pro Phe Ala Leu Ser
1 5 10 15

Leu Gln Arg Val Pro Phe Val Leu Pro Ser Pro Gln Val Ala
20 25 30

<210> 664

<211> 59

<212> PRT

<213> Homo sapiens

<400> 664

Leu Leu Ser Thr Ser His Leu Leu Thr Gln Ser Tyr Ser Phe Asn Lys
1 5 10 15

Arg Ser His Ser Phe Ala Trp Lys Asn Ala His Cys Ile Leu Gln Ser
20 25 30

Glu Asn Asn Glu Leu Gln Asn Ser Val Tyr Ile Tyr Val Cys Ile Tyr
35 40 45

Val His Phe Ile Cys Thr Phe Leu Cys Asp Ile
50 55

<210> 665
<211> 32
<212> PRT
<213> Homo sapiens

<400> 665
Lys Arg Ser His Ser Phe Ala Trp Lys Asn Ala His Cys Ile Leu Gln
1 5 10 15

Ser Glu Asn Asn Glu Leu Gln Asn Ser Val Tyr Ile Tyr Val Cys Ile
20 25 30

<210> 666
<211> 160
<212> DNA
<213> Homo sapiens

<400> 666
TGGCTCACTG TCTTACAATC ACTGCTGTGG AATCATGATA CCACTTTTAG CTCTTTGCAT 60
CTTCCTTCAG TGTATTTTTG TTTTCAAGA GGAAGTAGAT TTAACTGGA CAACTTTGAG 120
TACTGACATC ATTGATAAAT AACTGGCTT GTGGTTTCAA 160

<210> 667
<211> 292
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 667
Leu Asp Glu Leu Met Ala His Leu Thr Glu Met Gln Ala Lys Val Ala
1 5 10 15

Val Arg Ala Asp Ala Gly Lys Lys His Leu Pro Asp Lys Gln Asp His
20 25 30

Lys Ala Ser Leu Asp Ser Met Leu Gly Gly Leu Glu Gln Glu Leu Gln
35 40 45

Asp Leu Gly Ile Ala Thr Val Pro Lys Gly His Cys Ala Ser Cys Gln
50 55 60

Lys Pro Ile Ala Gly Lys Val Ile His Ala Leu Gly Gln Ser Trp His

65	70	75	80
Pro Glu His Phe Val Cys Thr His Cys Lys Glu Glu Ile Gly Ser Ser	85	90	95
Pro Phe Phe Glu Arg Ser Gly Leu Xaa Tyr Cys Pro Asn Asp Tyr His	100	105	110
Gln Leu Phe Ser Pro Arg Cys Ala Tyr Cys Ala Ala Pro Ile Leu Asp	115	120	125
Lys Val Leu Thr Ala Met Asn Gln Thr Trp His Pro Glu His Phe Phe	130	135	140
Cys Ser His Cys Gly Glu Val Phe Gly Ala Glu Gly Phe His Glu Lys	145	150	155
Asp Lys Lys Pro Tyr Cys Arg Lys Asp Phe Leu Ala Met Phe Ser Pro	165	170	175
Lys Cys Gly Gly Cys Asn Arg Pro Val Leu Glu Asn Tyr Leu Ser Ala	180	185	190
Met Asp Thr Val Trp His Pro Glu Cys Phe Val Cys Gly Asp Cys Phe	195	200	205
Thr Ser Phe Ser Thr Gly Ser Phe Phe Glu Leu Asp Gly Arg Pro Phe	210	215	220
Cys Glu Leu His Tyr His His Arg Arg Gly Thr Leu Cys His Gly Cys	225	230	235
Gly Gln Pro Ile Thr Gly Arg Cys Ile Ser Ala Met Gly Tyr Lys Phe	245	250	255
His Pro Glu His Phe Val Cys Ala Phe Cys Leu Thr Gln Leu Ser Lys	260	265	270
Gly Ile Phe Arg Glu Gln Asn Asp Lys Thr Tyr Cys Gln Pro Cys Phe	275	280	285
Asn Lys Leu Phe	290		

<210> 668

<211> 43

<212> PRT

<213> Homo sapiens

<400> 668

Lys Ala Ser Leu Asp Ser Met Leu Gly Gly Leu Glu Gln Glu Leu Gln	1	5	10	15
---	---	---	----	----

Asp Leu Gly Ile Ala Thr Val Pro Lys Gly His Cys Ala Ser Cys Gln	20	25	30
---	----	----	----

Lys Pro Ile Ala Gly Lys Val Ile His Ala Leu

35

40

<210> 669

<211> 50

<212> PRT

<213> Homo sapiens

<400> 669

Cys Pro Asn Asp Tyr His Gln Leu Phe Ser Pro Arg Cys Ala Tyr Cys
 1 5 10 15

Ala Ala Pro Ile Leu Asp Lys Val Leu Thr Ala Met Asn Gln Thr Trp
 20 25 30

His Pro Glu His Phe Phe Cys Ser His Cys Gly Glu Val Phe Gly Ala
 35 40 45

Glu Gly
 50

<210> 670

<211> 67

<212> PRT

<213> Homo sapiens

<400> 670

Asp Lys Lys Pro Tyr Cys Arg Lys Asp Phe Leu Ala Met Phe Ser Pro
 1 5 10 15

Lys Cys Gly Gly Cys Asn Arg Pro Val Leu Glu Asn Tyr Leu Ser Ala
 20 25 30

Met Asp Thr Val Trp His Pro Glu Cys Phe Val Cys Gly Asp Cys Phe
 35 40 45

Thr Ser Phe Ser Thr Gly Ser Phe Phe Glu Leu Asp Gly Arg Pro Phe
 50 55 60

Cys Glu Leu
 65

<210> 671

<211> 46

<212> PRT

<213> Homo sapiens

<400> 671

Cys Gly Gln Pro Ile Thr Gly Arg Cys Ile Ser Ala Met Gly Tyr Lys
 1 5 10 15

Phe His Pro Glu His Phe Val Cys Ala Phe Cys Leu Thr Gln Leu Ser
 20 25 30

Lys Gly Ile Phe Arg Glu Gln Asn Asp Lys Thr Tyr Cys Gln
 35 40 45

<210> 672
 <211> 334
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (145)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 672

His	Lys	Ser	Leu	Ala	Gly	Ala	Xaa	Val	Tyr	Thr	Thr	Asn	Ile	Gln	Glu	
1				5					10					15		
Leu	Asn	Val	Tyr	Ser	Glu	Ala	Gln	Glu	Pro	Lys	Glu	Ser	Pro	Pro	Pro	
		20						25					30			
Ser	Lys	Thr	Ser	Ala	Ala	Ala	Gln	Leu	Asp	Glu	Leu	Met	Ala	His	Leu	
		35					40					45				
Thr	Glu	Met	Gln	Ala	Lys	Val	Ala	Val	Arg	Ala	Asp	Ala	Gly	Lys	Lys	
	50					55					60					
His	Leu	Pro	Asp	Lys	Gln	Asp	His	Lys	Ala	Ser	Leu	Asp	Ser	Met	Leu	
65					70					75					80	
Gly	Gly	Leu	Glu	Gln	Glu	Leu	Gln	Asp	Leu	Gly	Ile	Ala	Thr	Val	Pro	
				85					90					95		
Lys	Gly	His	Cys	Ala	Ser	Cys	Gln	Lys	Pro	Ile	Ala	Gly	Lys	Val	Ile	
		100						105					110			
His	Ala	Leu	Gly	Gln	Ser	Trp	His	Pro	Glu	His	Phe	Val	Cys	Thr	His	
		115					120					125				
Cys	Lys	Glu	Glu	Ile	Gly	Ser	Ser	Pro	Phe	Phe	Glu	Arg	Ser	Gly	Leu	
	130					135					140					
Xaa	Tyr	Cys	Pro	Asn	Asp	Tyr	His	Gln	Leu	Phe	Ser	Pro	Arg	Cys	Ala	
145					150					155					160	
Tyr	Cys	Ala	Ala	Pro	Ile	Leu	Asp	Lys	Val	Leu	Thr	Ala	Met	Asn	Gln	
				165					170					175		
Thr	Trp	His	Pro	Glu	His	Phe	Phe	Cys	Ser	His	Cys	Gly	Glu	Val	Phe	
			180					185					190			
Gly	Ala	Glu	Gly	Phe	His	Glu	Lys	Asp	Lys	Lys	Pro	Tyr	Cys	Arg	Lys	
		195					200					205				
Asp	Phe	Leu	Ala	Met	Phe	Ser	Pro	Lys	Cys	Gly	Gly	Cys	Asn	Arg	Pro	

210	215	220
Val Leu Glu Asn Tyr Leu Ser Ala Met Asp Thr Val Trp His Pro Glu		
225	230	235 240
Cys Phe Val Cys Gly Asp Cys Phe Thr Ser Phe Ser Thr Gly Ser Phe		
	245	250 255
Phe Glu Leu Asp Gly Arg Pro Phe Cys Glu Leu His Tyr His His Arg		
	260	265 270
Arg Gly Thr Leu Cys His Gly Cys Gly Gln Pro Ile Thr Gly Arg Cys		
	275	280 285
Ile Ser Ala Met Gly Tyr Lys Phe His Pro Glu His Phe Val Cys Ala		
	290	295 300
Phe Cys Leu Thr Gln Leu Ser Lys Gly Ile Phe Arg Glu Gln Asn Asp		
305	310	315 320
Lys Thr Tyr Cys Gln Pro Cys Phe Asn Lys Leu Phe Pro Leu		
	325	330

<210> 673
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 673
 Asn Val Tyr Ser Glu Ala Gln Glu Pro Lys Glu Ser Pro Pro Pro Ser
 1 5 10 15

Lys Thr Ser Ala Ala Ala
 20

<210> 674
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 674
 Asp Ser Met Leu Gly Gly Leu Glu Gln Glu Leu Gln Asp Leu Gly Ile
 1 5 10 15

Ala Thr Val Pro Lys Gly His Cys Ala Ser
 20 25

<210> 675
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 675
 Tyr Leu Ser Ala Met Asp Thr Val Trp His Pro Glu Cys Phe Val Cys
 1 5 10 15

Gly Asp Cys Phe Thr Ser Phe Ser Thr Gly
 20 25

<210> 676
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 676
 Arg Cys Ile Ser Ala Met Gly Tyr Lys Phe His Pro Glu His Phe Val
 1 5 10 15

Cys Ala Phe Cys Leu Thr Gln Leu Ser Lys
 20 25

<210> 677
 <211> 127
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (87)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 677
 Pro Thr Arg Pro Val Leu Phe Phe Ser Thr Cys Gln Ser Cys Ser Ser
 1 5 10 15

Arg Pro Val Arg Gln Glu His Leu Gly Cys Arg Thr Met Glu Glu Leu
 20 25 30

Asp Ala Leu Leu Glu Glu Leu Glu Arg Ser Thr Leu Gln Asp Ser Asp
 35 40 45

Glu Tyr Ser Asn Pro Ala Pro Leu Pro Leu Asp Gln His Ser Arg Lys
 50 55 60

Glu Thr Asn Leu Asp Glu Thr Ser Glu Ile Leu Ser Ile Gln Asp Asn
 65 70 75 80

Thr Ser Pro Leu Pro Ala Xaa Ser Cys Ile Leu Pro Ile Ser Arg Ser
 85 90 95

Ser Met Ser Thr Val Lys Pro Lys Ser Gln Arg Asn His His His Leu
 100 105 110

Leu Lys Arg Gln Gln Leu Leu Ser Trp Met Ser Ser Trp Leu Thr
 115 120 125

<210> 678
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 678

Pro Val Arg Gln Glu His Leu Gly Cys Arg Thr Met Glu Glu Leu Asp
 1 5 10 15

Ala Leu Leu Glu Glu Leu Glu Arg Ser Thr Leu Gln
 20 25

<210> 679

<211> 21

<212> PRT

<213> Homo sapiens

<400> 679

Ser Cys Ile Leu Pro Ile Ser Arg Ser Ser Met Ser Thr Val Lys Pro
 1 5 10 15

Lys Ser Gln Arg Asn
 20

<210> 680

<211> 11

<212> PRT

<213> Homo sapiens

<400> 680

Trp His Pro Glu His Phe Val Cys Thr His Cys
 1 5 10

<210> 681

<211> 6

<212> PRT

<213> Homo sapiens

<400> 681

Leu Phe Ser Pro Arg Cys
 1 5

<210> 682

<211> 6

<212> PRT

<213> Homo sapiens

<400> 682

Pro Ile Leu Asp Lys Val
 1 5

<210> 683

<211> 8

<212> PRT

<213> Homo sapiens

<400> 683

Thr Trp His Pro Glu His Phe Phe
1 5

<210> 684
<211> 7
<212> PRT
<213> Homo sapiens

<400> 684
Glu Gly Phe His Glu Lys Asp
1 5

<210> 685
<211> 13
<212> PRT
<213> Homo sapiens

<400> 685
Lys Phe His Pro Glu His Phe Val Cys Ala Phe Cys Leu
1 5 10

<210> 686
<211> 7
<212> PRT
<213> Homo sapiens

<400> 686
Pro Ile Thr Gly Arg Cys Ile
1 5

<210> 687
<211> 7
<212> PRT
<213> Homo sapiens

<400> 687
His Pro Glu His Phe Val Cys
1 5

<210> 688
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 688
Arg Ile Tyr Cys Ser Glu Asp Thr Phe Ser Pro Xaa Ala Glu Ser Gly
1 5 10 15

Val Ser Trp Gln Ser Ser Val Ser Gln Leu Tyr Gln Asp Tyr Glu
 20 25 30

<210> 689

<211> 452

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 689

Met Gly Ser Ser Gln Ser Val Glu Ile Pro Gly Gly Gly Thr Glu Gly
 1 5 10 15

Tyr His Val Leu Arg Val Gln Glu Asn Ser Pro Gly His Arg Ala Gly
 20 25 30

Leu Glu Pro Phe Phe Asp Phe Ile Val Ser Ile Asn Gly Ser Arg Leu
 35 40 45

Asn Lys Asp Asn Asp Thr Leu Lys Asp Leu Leu Lys Xaa Asn Val Glu
 50 55 60

Lys Pro Val Lys Met Leu Ile Tyr Ser Ser Lys Thr Leu Glu Leu Arg
 65 70 75 80

Glu Thr Ser Val Thr Pro Ser Asn Leu Trp Gly Gly Gln Gly Leu Leu
 85 90 95

Gly Val Ser Ile Arg Phe Cys Ser Phe Asp Gly Ala Asn Glu Asn Val
 100 105 110

Trp His Val Leu Glu Val Glu Ser Asn Ser Pro Ala Ala Leu Ala Gly
 115 120 125

Leu Arg Pro His Ser Asp Tyr Ile Ile Gly Ala Asp Thr Val Met Asn
 130 135 140

Glu Ser Glu Asp Leu Phe Ser Leu Ile Glu Thr His Glu Ala Lys Pro
 145 150 155 160

Leu Lys Leu Tyr Val Tyr Asn Thr Asp Thr Asp Asn Cys Arg Glu Val
 165 170 175

Ile Ile Thr Pro Asn Ser Ala Trp Gly Gly Glu Gly Ser Leu Gly Cys
 180 185 190

Gly Ile Gly Tyr Gly Tyr Leu His Arg Ile Pro Thr Arg Pro Phe Glu
 195 200 205

Glu Gly Lys Lys Ile Ser Leu Pro Gly Gln Met Ala Gly Thr Pro Ile
 210 215 220

Thr Pro Leu Lys Asp Gly Phe Thr Glu Val Gln Leu Ser Ser Val Asn

225	230	235	240
Pro Pro Ser Leu Ser Pro Pro Gly Thr Thr Gly Ile Glu Gln Ser Leu	245	250	255
Thr Gly Leu Ser Ile Ser Ser Thr Pro Pro Ala Val Ser Ser Val Leu	260	265	270
Ser Thr Gly Val Pro Thr Val Pro Leu Leu Pro Pro Gln Val Asn Gln	275	280	285
Ser Leu Thr Ser Val Pro Pro Met Asn Pro Ala Thr Thr Leu Pro Gly	290	295	300
Leu Met Pro Leu Pro Ala Gly Leu Pro Asn Leu Pro Asn Leu Asn Leu	305	310	315
Asn Leu Pro Ala Pro His Ile Met Pro Gly Val Gly Leu Pro Glu Leu	325	330	335
Val Asn Pro Gly Leu Pro Pro Leu Pro Ser Met Pro Pro Arg Asn Leu	340	345	350
Pro Gly Ile Ala Pro Leu Pro Leu Pro Ser Glu Phe Leu Pro Ser Phe	355	360	365
Pro Leu Val Pro Glu Ser Ser Ser Ala Ala Ser Ser Gly Glu Leu Leu	370	375	380
Ser Ser Leu Pro Pro Thr Ser Asn Ala Pro Ser Asp Pro Ala Thr Thr	385	390	395
Thr Ala Lys Ala Asp Ala Ala Ser Ser Leu Thr Val Asp Val Thr Pro	405	410	415
Pro Thr Ala Lys Ala Pro Thr Thr Val Glu Asp Arg Val Gly Asp Ser	420	425	430
Thr Pro Val Ser Glu Lys Pro Val Ser Ala Ala Val Asp Ala Asn Ala	435	440	445
Ser Glu Ser Pro	450		

<210> 690
 <211> 109
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (56)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 690
 Ser Val Glu Ile Pro Gly Gly Gly Thr Glu Gly Tyr His Val Leu Arg
 1 5 10 15

Val Gln Glu Asn Ser Pro Gly His Arg Ala Gly Leu Glu Pro Phe Phe
 20 25 30

Asp Phe Ile Val Ser Ile Asn Gly Ser Arg Leu Asn Lys Asp Asn Asp
 35 40 45

Thr Leu Lys Asp Leu Leu Lys Xaa Asn Val Glu Lys Pro Val Lys Met
 50 55 60

Leu Ile Tyr Ser Ser Lys Thr Leu Glu Leu Arg Glu Thr Ser Val Thr
 65 70 75 80

Pro Ser Asn Leu Trp Gly Gly Gln Gly Leu Leu Gly Val Ser Ile Arg
 85 90 95

Phe Cys Ser Phe Asp Gly Ala Asn Glu Asn Val Trp His
 100 105

<210> 691

<211> 145

<212> PRT

<213> Homo sapiens

<400> 691

Glu Ser Asn Ser Pro Ala Ala Leu Ala Gly Leu Arg Pro His Ser Asp
 1 5 10 15

Tyr Ile Ile Gly Ala Asp Thr Val Met Asn Glu Ser Glu Asp Leu Phe
 20 25 30

Ser Leu Ile Glu Thr His Glu Ala Lys Pro Leu Lys Leu Tyr Val Tyr
 35 40 45

Asn Thr Asp Thr Asp Asn Cys Arg Glu Val Ile Ile Thr Pro Asn Ser
 50 55 60

Ala Trp Gly Gly Glu Gly Ser Leu Gly Cys Gly Ile Gly Tyr Gly Tyr
 65 70 75 80

Leu His Arg Ile Pro Thr Arg Pro Phe Glu Glu Gly Lys Lys Ile Ser
 85 90 95

Leu Pro Gly Gln Met Ala Gly Thr Pro Ile Thr Pro Leu Lys Asp Gly
 100 105 110

Phe Thr Glu Val Gln Leu Ser Ser Val Asn Pro Pro Ser Leu Ser Pro
 115 120 125

Pro Gly Thr Thr Gly Ile Glu Gln Ser Leu Thr Gly Leu Ser Ile Ser
 130 135 140

Ser
 145

<210> 692

<211> 145
 <212> PRT
 <213> Homo sapiens

<400> 692

Glu Ser Asn Ser Pro Ala Ala Leu Ala Gly Leu Arg Pro His Ser Asp
 1 5 10 15
 Tyr Ile Ile Gly Ala Asp Thr Val Met Asn Glu Ser Glu Asp Leu Phe
 20 25 30
 Ser Leu Ile Glu Thr His Glu Ala Lys Pro Leu Lys Leu Tyr Val Tyr
 35 40 45
 Asn Thr Asp Thr Asp Asn Cys Arg Glu Val Ile Ile Thr Pro Asn Ser
 50 55 60
 Ala Trp Gly Gly Glu Gly Ser Leu Gly Cys Gly Ile Gly Tyr Gly Tyr
 65 70 75 80
 Leu His Arg Ile Pro Thr Arg Pro Phe Glu Glu Gly Lys Lys Ile Ser
 85 90 95
 Leu Pro Gly Gln Met Ala Gly Thr Pro Ile Thr Pro Leu Lys Asp Gly
 100 105 110
 Phe Thr Glu Val Gln Leu Ser Ser Val Asn Pro Pro Ser Leu Ser Pro
 115 120 125
 Pro Gly Thr Thr Gly Ile Glu Gln Ser Leu Thr Gly Leu Ser Ile Ser
 130 135 140
 Ser
 145

<210> 693
 <211> 151
 <212> PRT
 <213> Homo sapiens

<400> 693

Arg Ile Pro Thr Arg Pro Phe Glu Glu Gly Lys Lys Ile Ser Leu Pro
 1 5 10 15
 Gly Gln Met Ala Gly Thr Pro Ile Thr Pro Leu Lys Asp Gly Phe Thr
 20 25 30
 Glu Val Gln Leu Ser Ser Val Asn Pro Pro Ser Leu Ser Pro Pro Gly
 35 40 45
 Thr Thr Gly Ile Glu Gln Ser Leu Thr Gly Leu Ser Ile Ser Ser Thr
 50 55 60
 Pro Pro Ala Val Ser Ser Val Leu Ser Thr Gly Val Pro Thr Val Pro
 65 70 75 80
 Leu Leu Pro Pro Gln Val Asn Gln Ser Leu Thr Ser Val Pro Pro Met

85

90

95

Asn Pro Ala Thr Thr Leu Pro Gly Leu Met Pro Leu Pro Ala Gly Leu
 100 105 110

Pro Asn Leu Pro Asn Leu Asn Leu Asn Leu Pro Ala Pro His Ile Met
 115 120 125

Pro Gly Val Gly Leu Pro Glu Leu Val Asn Pro Gly Leu Pro Pro Leu
 130 135 140

Pro Ser Met Pro Pro Arg Asn
 145 150

<210> 694

<211> 109

<212> PRT

<213> Homo sapiens

<400> 694

Pro Gly Leu Pro Pro Leu Pro Ser Met Pro Pro Arg Asn Leu Pro Gly
 1 5 10 15

Ile Ala Pro Leu Pro Leu Pro Ser Glu Phe Leu Pro Ser Phe Pro Leu
 20 25 30

Val Pro Glu Ser Ser Ser Ala Ala Ser Ser Gly Glu Leu Leu Ser Ser
 35 40 45

Leu Pro Pro Thr Ser Asn Ala Pro Ser Asp Pro Ala Thr Thr Thr Ala
 50 55 60

Lys Ala Asp Ala Ala Ser Ser Leu Thr Val Asp Val Thr Pro Pro Thr
 65 70 75 80

Ala Lys Ala Pro Thr Thr Val Glu Asp Arg Val Gly Asp Ser Thr Pro
 85 90 95

Val Ser Glu Lys Pro Val Ser Ala Ala Val Asp Ala Asn
 100 105

<210> 695

<211> 22

<212> PRT

<213> Homo sapiens

<400> 695

Ala Trp Gly Gly Glu Gly Ser Leu Gly Cys Gly Ile Gly Tyr Gly Tyr
 1 5 10 15

Leu His Arg Ile Pro Thr
 20

<210> 696

<211> 10

<212> PRT
 <213> Homo sapiens

<400> 696
 Ser Pro Ala Ala Leu Ala Gly Leu Arg Pro
 1 5 10

<210> 697
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 697
 Trp Gly Gly Gln Gly Leu Leu Gly
 1 5

<210> 698
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 698
 Arg Asn Gly Ala Leu Leu Asp Lys Asn Phe Phe Asn Ala Asn Ser His
 1 5 10 15

Phe Pro Val Lys Gly Glu Arg Ile Arg Arg Arg
 20 25

<210> 699
 <211> 97
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (83)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 699
 Arg Gly Ser Gly Phe Gly Trp Thr Ser Phe Pro Arg Pro Leu Pro Thr
 1 5 10 15

Glu Leu Thr Cys Pro Gly Phe His Arg Glu Arg Ala Phe Pro Pro Asp
 20 25 30

Gly Arg Val Arg Gly Val Arg Gly Trp Gly Ile Arg Arg Gly Cys Arg
 35 40 45

Ala Val Trp Gly Val Gly Ala Cys Gly Cys Ser Pro Gly Ser Ser Trp
 50 55 60

Arg Gly Ser Ala His Arg Ala Ser Gly Pro Ala Asp Leu Pro Val Ala
 65 70 75 80

Cys Arg Xaa Glu Gly Gly Ala Asp Ser Pro Ser Leu Leu Pro Ser Pro

85

90

95

Pro

<210> 700
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 700
 Ala Val Trp Gly Val Gly Ala Cys Gly Cys Ser Pro Gly Ser Ser Trp
 1 5 10 15

Arg Gly Ser Ala His Arg Ala
 20

<210> 701
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 701
 Tyr Arg Pro Thr Met Glu Lys Met Lys Gln Val Val Thr Gln Thr Arg
 1 5 10 15

Trp Met Arg Pro Asp Ala Lys Arg Ala Asn Arg Arg His Arg Arg Ile
 20 25 30

Ser Gly Lys Ile Phe Ala Trp Asn Pro Leu Pro Lys Thr Arg Phe Ser
 35 40 45

Arg Leu Leu Lys Ala Val Ser Glu Asn Thr Lys Arg Pro Glu Pro Ser
 50 55 60

Arg Pro Pro Trp Met Val Ser His Ser Val Glu Ala Ser
 65 70 75

<210> 702
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 702
 Phe Ala Trp Asn Pro Leu Pro Lys Thr Arg Phe Ser Arg Leu Leu Lys
 1 5 10 15

Ala Val Ser Glu Asn Thr Lys Arg Pro Glu Pro
 20 25

<210> 703
 <211> 93
 <212> PRT
 <213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 703

Ile	Tyr	Lys	Val	Phe	Arg	His	Thr	Ala	Gly	Leu	Lys	Pro	Glu	Val	Ser
1				5					10					15	

Cys	Phe	Glu	Asn	Ile	Arg	Ser	Cys	Ala	Arg	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
			20					25					30		

Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Trp	Ile	Phe	Gly	Val	Leu	His	Val	Val	His
			35				40					45			

Ala	Ser	Val	Val	Thr	Ala	Tyr	Leu	Phe	Thr	Val	Ser	Asn	Ala	Phe	Gln
	50					55					60				

Gly	Met	Phe	Ile	Phe	Leu	Phe	Leu	Cys	Val	Leu	Ser	Arg	Lys	Ile	Gln
65					70					75				80	

Glu	Glu	Tyr	Tyr	Arg	Leu	Phe	Lys	Asn	Val	Pro	Cys	Cys
				85				90				

<210> 704

<211> 55

<212> PRT

<213> Homo sapiens

<400> 704

Trp	Ile	Phe	Gly	Val	Leu	His	Val	Val	His	Ala	Ser	Val	Val	Thr	Ala
1				5					10					15	

Tyr	Leu	Phe	Thr	Val	Ser	Asn	Ala	Phe	Gln	Gly	Met	Phe	Ile	Phe	Leu
			20				25					30			

Phe	Leu	Cys	Val	Leu	Ser	Arg	Lys	Ile	Gln	Glu	Glu	Tyr	Tyr	Arg	Leu
		35					40					45			

Phe	Lys	Asn	Val	Pro	Cys	Cys
	50				55	

<210> 705

<211> 26

<212> PRT

<213> Homo sapiens

<400> 705

Ile	Tyr	Lys	Val	Phe	Arg	His	Thr	Ala	Gly	Leu	Lys	Pro	Glu	Val	Ser
1				5					10					15	

Cys	Phe	Glu	Asn	Ile	Arg	Ser	Cys	Ala	Arg
			20				25		

<210> 706

<211> 66

<212> PRT

<213> Homo sapiens

<400> 706

Ile Ile Tyr Lys Val Phe Arg His Thr Ala Gly Leu Lys Pro Glu Val
1 5 10 15

Ser Cys Phe Glu Asn Ile Arg Ser Cys Ala Arg Gly Ala Leu Ala Leu
20 25 30

Leu Phe Leu Leu Gly Thr Thr Trp Ile Phe Gly Val Leu His Val Val
35 40 45

His Ala Ser Val Val Thr Ala Tyr Leu Phe Thr Val Ser Asn Ala Phe
50 55 60

Gln Gly
65

<210> 707

<211> 32

<212> PRT

<213> Homo sapiens

<400> 707

Glu Val Ser Cys Phe Glu Asn Ile Arg Ser Cys Ala Arg Gly Ala Leu
1 5 10 15

Ala Leu Leu Phe Leu Leu Gly Thr Thr Trp Ile Phe Gly Val Leu His
20 25 30

<210> 708

<211> 86

<212> PRT

<213> Homo sapiens

<400> 708

Thr Thr Ile Leu Arg Thr Cys Thr Ile Val Cys Phe Tyr Tyr Trp Phe
1 5 10 15

Asn Gly Val Met Val Leu Leu Phe Phe Leu Asp Arg Asn Leu Leu Thr
20 25 30

Phe Asn Gln Ala Ser Ile Met Pro Phe Ser Asn Thr Asp Phe Leu His
35 40 45

Cys Leu Ser Phe Lys Lys Lys Leu Met Leu Leu Arg Tyr Ile Phe Tyr
50 55 60

Val Val Leu Thr Gly Pro Thr Leu Ser Leu Lys Gly Asp Glu Asn Gln
65 70 75 80

Ile Lys Asn Leu Phe Thr
85

<210> 709
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 709
 Ile Val Cys Phe Tyr Tyr Trp Phe Asn Gly Val Met Val Leu Leu Phe
 1 5 10 15
 Phe Leu Asp Arg Asn Leu Leu
 20

<210> 710
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 710
 Leu Leu Arg Tyr Ile Phe Tyr Val Val Leu Thr Gly Pro Thr Leu Ser
 1 5 10 15
 Leu Lys Gly Asp Glu Asn Gln Ile
 20

<210> 711
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 711
 Ala Leu Thr Arg Ile Pro Pro Gly Asp Trp Val Ile Asn Val Thr Ala
 1 5 10 15
 Val Ser Phe Ala Gly Lys Thr Thr Ala Arg Phe Phe Xaa His Ser Ser
 20 25 30
 Pro Pro Ser Leu Gly Asp Gln Ala Arg Thr Asp Pro Gly His Gln Arg
 35 40 45
 Arg Asp
 50

<210> 712
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 712
 Ser Met Leu Leu Leu Phe Pro Leu Gln Glu Arg Pro Gln Gln Asp Ser
 1 5 10 15
 Phe Ile Arg Leu Leu Leu Ala Trp Gly Thr Arg Leu Glu Leu Thr Leu
 20 25 30

Asp Ile Lys Gly Gly Ile
35

<210> 713

<211> 130

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 713

Thr Gly Leu Trp Ala Asp Gly Phe Ser Ser His Ile Ile Pro Pro Leu
1 5 10 15

Met Ser Arg Val Ser Ser Ser Leu Val Pro Gln Ala Arg Arg Arg Arg
20 25 30

Met Lys Glu Ser Cys Cys Gly Leu Ser Cys Lys Gly Asn Ser Ser Asn
35 40 45

Ile Asp Tyr Pro Val Thr Gly Arg Asn Ser Cys Glu Arg Ala Pro Leu
50 55 60

Cys Ala Phe Ala Leu His Phe Gln Glu Arg Thr Xaa Ile Thr Gly Xaa
65 70 75 80

Gly Glu Asp Pro Gly Pro Phe Gln Ser Xaa Gly Arg Val Thr Ala Ser
85 90 95

Arg Xaa Thr Leu Ala Cys Ser His Val Ala Met Thr Pro Ala Gly Cys
100 105 110

Xaa Gln Ala Leu Gly Thr Pro Ser Ser Tyr Cys Val Arg Lys Ala Pro

115

120

125

Arg Ala
130

<210> 714
<211> 28
<212> PRT
<213> Homo sapiens

<400> 714
Gln Ala Arg Arg Arg Met Lys Glu Ser Cys Cys Gly Leu Ser Cys
1 5 10 15

Lys Gly Asn Ser Ser Asn Ile Asp Tyr Pro Val Thr
20 25

<210> 715
<211> 9
<212> PRT
<213> Homo sapiens

<400> 715
Leu Trp Arg Ser Ser Gly Val Glu Arg
1 5

<210> 716
<211> 27
<212> PRT
<213> Homo sapiens

<400> 716
Leu Gln Glu Val Asn Ile Thr Leu Pro Glu Asn Ser Val Trp Tyr Glu
1 5 10 15

Arg Tyr Lys Phe Asp Ile Pro Val Phe His Leu
20 25

<210> 717
<211> 110
<212> PRT
<213> Homo sapiens

<400> 717
Met Gln Gly Ser Gly Ser Gln Phe Arg Ala Cys Leu Leu Cys Leu Cys
1 5 10 15

Phe Ser Cys Pro Cys Ser Pro Gly Gly Pro Arg Trp Asn Ser Arg Gln
20 25 30

Gly Gly Arg Arg Phe Pro Lys Thr Cys Arg Ala Ile Ser Gln Asn Leu
35 40 45

Val Phe Lys Tyr Lys Thr Phe Cys Pro Val Arg Tyr Met Gln Pro His

50

55

60

Arg Ser Ser Leu Cys Leu His Phe Thr Ser Tyr Val Phe Ile Leu Ser
65 70 75 80

Thr Trp Gly Ser Leu Arg Thr Tyr Ser Thr Asp Leu Lys Lys Lys Lys
85 90 95

Lys Asn Ser Arg Gly Gly Pro Val Pro Ile Arg Pro Lys Ser
100 105 110

<210> 718

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> n equals a,t,g, or c

<400> 718

TAGCATGTAG CCAGTCGAAT AACNTATAAG GACAAAGTGG AGTCCACGCG TCGGGCCGTC 60

TAGACTAGTG GATCCCCCGG CTGCAGGATT CGGCACGAG 99

<210> 719

<211> 51

<212> PRT

<213> Homo sapiens

<400> 719

Met Gln Gly Ser Gly Ser Gln Phe Arg Ala Cys Leu Leu Cys Leu Cys
1 5 10 15

Phe Ser Cys Pro Cys Ser Pro Gly Gly Pro Arg Trp Asn Ser Arg Gln
20 25 30

Gly Gly Arg Arg Phe Pro Lys Thr Cys Arg Ala Ile Ser Gln Asn Leu
35 40 45

Val Phe Lys
50

<210> 720

<211> 54

<212> PRT

<213> Homo sapiens

<400> 720

Pro Val Arg Tyr Met Gln Pro His Arg Ser Ser Leu Cys Leu His Phe
1 5 10 15

Thr Ser Tyr Val Phe Ile Leu Ser Thr Trp Gly Ser Leu Arg Thr Tyr

20 25 30

Ser Thr Asp Leu Lys Lys Lys Lys Lys Asn Ser Arg Gly Gly Pro Val
35 40 45

Pro Ile Arg Pro Lys Ser
50

<210> 721

<211> 38

<212> PRT

<213> Homo sapiens

<400> 721

Gly Glu Glu Gln Arg Asp Cys Ser Leu Gly Trp Arg Gly Val Gly Met
1 5 10 15

Arg Ala Thr His Cys Gln Ala Ala Arg Met Phe Val Leu Phe Ser Leu
20 25 30

Pro Lys Tyr Ala Gly Leu
35

<210> 722

<211> 39

<212> PRT

<213> Homo sapiens

<400> 722

Thr Ser Gly Ser Pro Gly Cys Arg Ile Arg His Glu Leu Pro Gly Glu
1 5 10 15

Glu Gln Arg Asp Cys Ser Leu Gly Trp Arg Gly Val Gly Met Arg Ala
20 25 30

Thr His Cys Gln Ala Ala Arg
35

<210> 723

<211> 128

<212> PRT

<213> Homo sapiens

<400> 723

Glu Pro Pro Ile Ala Lys Gln Gln Glu Cys Ser Cys Phe Phe Pro Phe
1 5 10 15

Gln Asn Met Gln Gly Ser Gly Ser Gln Phe Arg Ala Cys Leu Leu-Cys
20 25 30

Leu Cys Phe Ser Cys Pro Cys Ser Pro Gly Gly Pro Arg Trp Asn Ser
35 40 45

Arg Gln Gly Gly Arg Arg Phe Pro Lys Thr Cys Arg Ala Ile Ser Gln
50 55 60

Asn Leu Val Phe Lys Tyr Lys Thr Phe Cys Pro Val Arg Tyr Met Gln
65 70 75 80

Pro His Arg Ser Ser Leu Cys Leu His Phe Thr Ser Tyr Val Phe Ile
85 90 95

Leu Ser Thr Trp Gly Ser Leu Arg Thr Tyr Ser Thr Asp Leu Lys Lys
100 105 110

Lys Lys Lys Asn Ser Arg Gly Gly Pro Val Pro Ile Arg Pro Lys Ser
115 120 125

<210> 724

<211> 31

<212> PRT

<213> Homo sapiens

<400> 724

Gln Phe Arg Ala Cys Leu Leu Cys Leu Cys Phe Ser Cys Pro Cys Ser
1 5 10 15

Pro Gly Gly Pro Arg Trp Asn Ser Arg Gln Gly Gly Arg Arg Phe
20 25 30

<210> 725

<211> 23

<212> PRT

<213> Homo sapiens

<400> 725

Asn Gln Phe Thr Ser Cys Ile Leu Phe Cys Asp Gly Gly His Trp Arg
1 5 10 15

Glu Leu Leu Phe Gln Ser Ile
20

<210> 726

<211> 101

<212> PRT

<213> Homo sapiens

<400> 726

Ala Met Ser Ser Lys Leu Leu Asn Leu Leu Ala Leu Leu Gln Tyr Ser
1 5 10 15

Val His Asp His Cys His Pro Arg Arg Leu Leu Lys Arg Gly Ala Arg
20 25 30

Ala Thr Leu Arg His Lys Gly Trp Gly Pro Ser Ser Leu Arg Gly Cys
35 40 45

Glu Ser Phe Gln Ile Val Leu Ile Gly Trp Gly Pro Asp Leu Ala Val
50 55 60

Gly Phe Gly Arg Gly Lys Leu Leu Ser Arg Ser Leu Pro Val Arg His
65 70 75 80

Gly Gly Val Ser Glu Phe Cys Leu Pro His Arg Asp Val Val Arg Leu
85 90 95

Glu Lys Val Lys Lys
100

<210> 727

<211> 33

<212> PRT

<213> Homo sapiens

<400> 727

Gly Pro Ser Ser Leu Arg Gly Cys Glu Ser Phe Gln Ile Val Leu Ile
1 5 10 15

Gly Trp Gly Pro Asp Leu Ala Val Gly Phe Gly Arg Gly Lys Leu Leu
20 25 30

Ser

<210> 728

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 728

Thr Arg Lys Asn Ile Asp Phe Xaa Glu Thr Glu Lys Tyr Tyr Leu Phe
1 5 10 15

Ser Phe Ser Asn Asn Val Ser Phe Lys Asn Phe Trp Leu Lys Tyr Asn
20 25 30

<210> 729

<211> 161

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 729

Met Pro Arg Lys Thr Ser Lys Cys Arg Gln Leu Leu Cys Ser Gly Ala
1 5 10 15

Ser Arg Asn Ala Asp Thr Ala Ala Arg Gln Ser Thr Cys Ser Ser His
20 25 30

Arg Pro Pro Gly Lys Ile Pro Ser Leu Gly Pro Arg Arg Xaa Pro Gly
35 40 45

Cys Xaa Ser Val Pro Ser Ser Arg Gly Glu Gln Ser Thr Gly Ser Pro
50 55 60

Ala Ala Pro Arg Cys Gly Arg Arg Asp Ala His Arg Gly Leu Pro Gly
65 70 75 80

Gly Ala Ala Met Thr Pro Gly Asp Thr Trp Ala Ser Phe Asn Pro Arg
85 90 95

Ala Gly His Ser Lys Ser Gln Gly Glu Gly Gln Glu Ser Ser Gly Ala
100 105 110

Ser Arg Gln Asp Arg His Pro Val Ser His Trp Val Glu Arg Gln Arg
115 120 125

Glu Ala Trp Gly Ala Pro Arg Ser Ser Ser Ala Gly Gly Val Lys Val
130 135 140

Ala Ala Thr Thr Glu Arg Glu Pro Glu Phe Lys Ile Lys Thr Gly Lys
145 150 155 160

Ala

<210> 730

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 730

Cys Ser Gly Ala Ser Arg Asn Ala Asp Thr Ala Ala Arg Gln Ser Thr
1 5 10 15

Cys Ser Ser His Arg Pro Pro Gly Lys Ile Pro Ser Leu Gly Pro Arg
20 25 30

Arg Xaa Pro Gly Cys Xaa Ser Val Pro Ser Ser Arg Gly Glu Gln Ser
35 40 45

Thr Gly Ser Pro Ala Ala Pro Arg Cys Gly Arg Arg Asp Ala His Arg
50 55 60

Gly Leu Pro Gly Gly Ala Ala Met Thr Pro Gly Asp Thr Trp Ala Ser
65 70 75 80

Phe Asn Pro Arg Ala Gly His Ser
85

<210> 731

<211> 59

<212> PRT

<213> Homo sapiens

<400> 731

Gln Gly Glu Gly Gln Glu Ser Ser Gly Ala Ser Arg Gln Asp Arg His
1 5 10 15

Pro Val Ser His Trp Val Glu Arg Gln Arg Glu Ala Trp Gly Ala Pro
20 25 30

Arg Ser Ser Ser Ala Gly Gly Val Lys Val Ala Ala Thr Thr Glu Arg
35 40 45

Glu Pro Glu Phe Lys Ile Lys Thr Gly Lys Ala
50 55

<210> 732

<211> 63

<212> PRT

<213> Homo sapiens

<400> 732

Ile Arg His Glu Gly Lys Arg Met Leu Asn Glu Ser Arg Lys Pro Leu
1 5 10 15

Ser Phe Ala Ser Arg Leu Ser Ser Leu Tyr Phe Lys Leu Gly Phe Pro
20 25 30

Phe Cys Gly Arg Ser Asn Leu Tyr Ser Thr Cys Thr Ala Ala Pro Gly
35 40 45

Gly Ser Pro Gly Leu Pro Leu Pro Phe Tyr Pro Val Ala Asp Gly
50 55 60

<210> 733

<211> 176
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 733

Thr Arg Ala Glu Ser Leu Phe Pro Leu Leu His Ala Phe Pro Val Phe
 1 5 10 15

Ile Leu Asn Ser Gly Ser Leu Ser Val Val Ala Ala Thr Phe Thr Pro
 20 25 30

Pro Ala Leu Leu Leu Leu Gly Ala Pro Gln Ala Ser Leu Cys Leu Ser
 35 40 45

Thr Gln Trp Leu Thr Gly Cys Leu Ser Cys Leu Asp Ala Pro Leu Leu
 50 55 60

Ser Cys Pro Ser Pro Trp Leu Leu Leu Cys Pro Ala Leu Gly Leu Lys
 65 70 75 80

Leu Ala His Val Ser Pro Gly Val Met Ala Ala Pro Pro Gly Arg Pro
 85 90 95

Leu Cys Ala Ser Arg Leu Pro His Leu Gly Ala Ala Gly Glu Pro Val
 100 105 110

Leu Cys Ser Pro Arg Leu Leu Gly Thr Glu Leu Gln Pro Gly Xaa Leu
 115 120 125

Arg Gly Pro Arg Leu Gly Ile Leu Pro Gly Gly Arg Trp Glu Glu Gln
 130 135 140

Val Leu Cys Leu Ala Ala Val Ser Ala Phe Leu Asp Ala Pro Glu His
 145 150 155 160

Arg Ser Cys Arg His Phe Glu Val Phe Leu Gly Met Cys Gln Ile Thr
 165 170 175

<210> 734
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 734

Pro Ala Leu Gly Leu Lys Leu Ala His Val Ser Pro Gly Val Met Ala
 1 5 10 15

Ala Pro Pro Gly Arg Pro Leu Cys Ala Ser Arg Leu Pro
 20 25

<210> 735

<211> 24

<212> PRT

<213> Homo sapiens

<400> 735

Gly Gly Arg Trp Glu Glu Gln Val Leu Cys Leu Ala Ala Val Ser Ala
 1 5 10 15

Phe Leu Asp Ala Pro Glu His Arg
 20

<210> 736

<211> 98

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 736

Ser Trp Pro Met Cys Pro Pro Glu Ser Trp Leu Leu Leu Leu Gly Gly
 1 5 10 15

Leu Cys Val Arg His Val Phe His Thr Trp Gly Gln Leu Ala Ser Pro
 20 25 30

Cys Ser Val Pro Leu Gly Cys Leu Ala Gln Ser Cys Ser Leu Gly Xaa
 35 40 45

Ser Val Asp Pro Asp Trp Gly Phe Cys Gln Gly Gly Asp Gly Arg Ser
 50 55 60

Arg Cys Phe Ala Trp Arg Leu Cys Leu His Phe Trp Thr Pro Gln Ser
 65 70 75 80

Thr Glu Val Ala Gly Thr Leu Arg Ser Ser Ser Ala Cys Ala Arg Leu
 85 90 95

His Glu

<210> 737

<211> 29

<212> PRT

<213> Homo sapiens

<400> 737

Gly Asp Gly Arg Ser Arg Cys Phe Ala Trp Arg Leu Cys Leu His Phe
 1 5 10 15

Trp Thr Pro Gln Ser Thr Glu Val Ala Gly Thr Leu Arg

20

25

<210> 738
 <211> 235
 <212> PRT
 <213> Homo sapiens

<400> 738

Met Ser Pro Arg Tyr Pro Gly Gly Pro Arg Pro Pro Leu Arg Ile Pro
 1 5 10 15

Asn Gln Ala Leu Gly Gly Val Pro Gly Ser Gln Pro Leu Leu Pro Ser
 20 25 30

Gly Met Asp Pro Thr Arg Gln Gln Gly His Pro Asn Met Gly Gly Pro
 35 40 45

Met Gln Arg Met Thr Pro Pro Arg Gly Met Val Pro Leu Gly Pro Gln
 50 55 60

Asn Tyr Gly Gly Ala Met Arg Pro Pro Leu Asn Ala Leu Gly Gly Pro
 65 70 75 80

Gly Met Pro Gly Met Asn Met Gly Pro Gly Gly Gly Arg Pro Trp Pro
 85 90 95

Asn Pro Thr Asn Ala Asn Ser Ile Pro Tyr Ser Ser Ala Ser Pro Gly
 100 105 110

Asn Tyr Val Gly Pro Pro Gly Gly Gly Gly Pro Pro Gly Thr Pro Ile
 115 120 125

Met Pro Ser Pro Ala Asp Ser Thr Asn Ser Gly Asp Asn Met Tyr Thr
 130 135 140

Leu Met Asn Ala Val Pro Pro Gly Pro Asn Arg Pro Asn Phe Pro Met
 145 150 155 160

Gly Pro Gly Ser Asp Gly Pro Met Gly Gly Leu Gly Gly Met Glu Ser
 165 170 175

His His Met Asn Gly Ser Leu Gly Ser Gly Asp Met Asp Ser Ile Ser
 180 185 190

Lys Asn Ser Pro Asn Asn Met Ser Leu Ser Asn Gln Pro Gly Thr Pro
 195 200 205

Arg Asp Asp Gly Glu Met Gly Gly Asn Phe Leu Asn Pro Phe Gln Ser
 210 215 220

Glu Ser Tyr Ser Pro Ser Met Thr Met Ser Val
 225 230 235

<210> 739

<211> 114

<212> PRT

<213> Homo sapiens

<400> 739

Met Ser Pro Arg Tyr Pro Gly Gly Pro Arg Pro Pro Leu Arg Ile Pro
1 5 10 15

Asn Gln Ala Leu Gly Gly Val Pro Gly Ser Gln Pro Leu Leu Pro Ser
20 25 30

Gly Met Asp Pro Thr Arg Gln Gln Gly His Pro Asn Met Gly Gly Pro
35 40 45

Met Gln Arg Met Thr Pro Pro Arg Gly Met Val Pro Leu Gly Pro Gln
50 55 60

Asn Tyr Gly Gly Ala Met Arg Pro Pro Leu Asn Ala Leu Gly Gly Pro
65 70 75 80

Gly Met Pro Gly Met Asn Met Gly Pro Gly Gly Gly Arg Pro Trp Pro
85 90 95

Asn Pro Thr Asn Ala Asn Ser Ile Pro Tyr Ser Ser Ala Ser Pro Gly
100 105 110

Asn Tyr

<210> 740

<211> 81

<212> PRT

<213> Homo sapiens

<400> 740

Leu Asn Ala Leu Gly Gly Pro Gly Met Pro Gly Met Asn Met Gly Pro
1 5 10 15

Gly Gly Gly Arg Pro Trp Pro Asn Pro Thr Asn Ala Asn Ser Ile Pro
20 25 30

Tyr Ser Ser Ala Ser Pro Gly Asn Tyr Val Gly Pro Pro Gly Gly Gly
35 40 45

Gly Pro Pro Gly Thr Pro Ile Met Pro Ser Pro Ala Asp Ser Thr Asn
50 55 60

Ser Gly Asp Asn Met Tyr Thr Leu Met Asn Ala Val Pro Pro Gly Pro
65 70 75 80

Asn

<210> 741

<211> 70

<212> PRT

<213> Homo sapiens

<400> 741

Gly Pro Met Gly Gly Leu Gly Gly Met Glu Ser His His Met Asn Gly
 1 5 10 15

Ser Leu Gly Ser Gly Asp Met Asp Ser Ile Ser Lys Asn Ser Pro Asn
 20 25 30

Asn Met Ser Leu Ser Asn Gln Pro Gly Thr Pro Arg Asp Asp Gly Glu
 35 40 45

Met Gly Gly Asn Phe Leu Asn Pro Phe Gln Ser Glu Ser Tyr Ser Pro
 50 55 60

Ser Met Thr Met Ser Val
 65 70

<210> 742

<211> 14

<212> PRT

<213> Homo sapiens

<400> 742

Thr Cys Glu His Ser Ser Glu Ala Lys Ala Phe His Asp Tyr
 1 5 10

<210> 743

<211> 19

<212> PRT

<213> Homo sapiens

<400> 743

Arg Arg Glu Thr Cys Glu His Ser Ser Glu Ala Lys Ala Phe His Asp
 1 5 10 15

Tyr Pro Phe

<210> 744

<211> 20

<212> PRT

<213> Homo sapiens

<400> 744

Thr Ile Thr Leu Phe Gln Ser Ala Trp Cys Phe Phe Ser Lys Tyr Cys
 1 5 10 15

Thr Asp Phe Thr
 20

<210> 745

<211> 105

<212> PRT

<213> Homo sapiens

<400> 745

Val Arg Gly Cys Glu Asp Gly Gly Gly Gly Gly Ile Trp Gly Gly Trp
 1 5 10 15

Trp Pro Gly Gln Gln Met Ala Pro Pro Trp Leu Ser Cys Pro His Arg
 20 25 30

Gln Phe Pro His Phe His Ser Gly Arg Gln Arg Arg Gln Ser Asp Leu
 35 40 45

Leu Lys Glu Glu Leu Pro Gln Pro Ser Gly Ala Ala Gly Arg Ala Ser
 50 55 60

Gly Asn Lys Pro Tyr Thr Pro Pro Pro Ala Ser Asn Ser Leu Thr Leu
 65 70 75 80

Arg Leu Leu Ser Phe Arg Phe Asn Ala Phe Asn Arg Ser His Pro Gln
 85 90 95

Pro Ser Leu Asn Tyr Lys Asp Arg Gln
 100 105

<210> 746

<211> 25

<212> PRT

<213> Homo sapiens

<400> 746

Pro Trp Leu Ser Cys Pro His Arg Gln Phe Pro His Phe His Ser Gly
 1 5 10 15

Arg Gln Arg Arg Gln Ser Asp Leu Leu
 20 25

<210> 747

<211> 20

<212> PRT

<213> Homo sapiens

<400> 747

Arg Leu Leu Ser Phe Arg Phe Asn Ala Phe Asn Arg Ser His Pro Gln
 1 5 10 15

Pro Ser Leu Asn
 20

<210> 748

<211> 56

<212> PRT

<213> Homo sapiens

<400> 748

Arg Asp Ser Ser Leu Trp Ala Ala Ala Leu Ser Phe Arg Gln Gln Cys
 1 5 10 15

Ser Ser Leu Ala Ser Cys Leu Val Ser Met Tyr Ser Arg Pro Gly Arg
 20 25 30

Gln His Arg Ala Lys Ala Gly Ala Gly Ser Gln Thr Glu Gln Cys Trp
 35 40 45

Gly Arg Lys Val Asp Ala Val Val
 50 55

<210> 749

<211> 27

<212> PRT

<213> Homo sapiens

<400> 749

Cys Leu Val Ser Met Tyr Ser Arg Pro Gly Arg Gln His Arg Ala Lys
 1 5 10 15

Ala Gly Ala Gly Ser Gln Thr Glu Gln Cys Trp
 20 25

<210> 750

<211> 86

<212> PRT

<213> Homo sapiens

<400> 750

Pro Glu His Gly Phe Ser Ser Cys Asp Phe Trp Glu Gly Ala Pro Ser
 1 5 10 15

Ser Gly Pro Lys Glu Gly Gly Arg Ser Pro Pro Gln Leu Ala Cys Val
 20 25 30

Trp Gly Met Asn Leu Ser Ser Pro Pro Cys Leu Ala Leu Leu Thr Asn
 35 40 45

Arg Ala Cys Leu Ala Val Asn Trp His Arg Val Thr Leu Phe Pro Gly
 50 55 60

Ile Gln Val Cys Asn Gln Asn Thr Gly Glu Glu Lys Leu Gln Asp Pro
 65 70 75 80

Cys Pro His Leu Ser Ser
 85

<210> 751

<211> 30

<212> PRT

<213> Homo sapiens

<400> 751

Arg Ser Pro Pro Gln Leu Ala Cys Val Trp Gly Met Asn Leu Ser Ser
 1 5 10 15

Pro Pro Cys Leu Ala Leu Leu Thr Asn Arg Ala Cys Leu Ala

20

25

30

<210> 752

<211> 74

<212> PRT

<213> Homo sapiens

<400> 752

Cys Glu Arg Asp Ser Glu Thr Ser Ser Ile Ala Met Thr Cys Ile Lys
 1 5 10 15

His Lys Pro Pro Lys Gln Lys Lys Arg Leu Ser Leu Leu Pro Gly Phe
 20 25 30

Arg Ser Ala Leu Pro Arg Val Cys Arg Cys His Met Ile Thr Val Gln
 35 40 45

Arg Glu Ala Phe Arg Thr His Thr Gly Cys Ser Thr Ser Val His Leu
 50 55 60

Pro Ser Arg Gly Gly Phe Leu Pro Asp Phe
 65 70

<210> 753

<211> 28

<212> PRT

<213> Homo sapiens

<400> 753

Lys Lys Arg Leu Ser Leu Leu Pro Gly Phe Arg Ser Ala Leu Pro Arg
 1 5 10 15

Val Cys Arg Cys His Met Ile Thr Val Gln Arg Glu
 20 25

<210> 754

<211> 59

<212> PRT

<213> Homo sapiens

<400> 754

Gln Ala Phe Val Leu Leu Ser Asp Leu Leu Leu Ile Phe Ser Pro Gln
 1 5 10 15

Met Ile Val Gly Gly Arg Asp Phe Leu Arg Pro Leu Val Phe Phe Pro
 20 25 30

Glu Ala Thr Leu Gln Ser Glu Leu Ala Ser Phe Leu Met Asp His Val
 35 40 45

Phe Ile Gln Pro Gly Asp Leu Gly Ser Gly Ala
 50 55

<210> 755

<211> 43
 <212> PRT
 <213> Homo sapiens

<400> 755

Ala Cys Ser Tyr Leu Leu Cys Asn Pro Glu Phe Thr Phe Phe Ser Arg
 1 5 10 15

Ala Asp Phe Ala Arg Ser Gln Leu Val Asp Leu Leu Thr Asp Arg Phe
 20 25 30

Gln Gln Glu Leu Glu Glu Leu Leu Gln Val Gly
 35 40

<210> 756

<211> 35

<212> PRT

<213> Homo sapiens

<400> 756

Gln Lys Gln Leu Ser Ser Leu Arg Asp Arg Met Val Ala Phe Cys Glu
 1 5 10 15

Leu Cys Gln Ser Cys Leu Ser Asp Val Asp Thr Glu Ile Gln Glu Gln
 20 25 30

Val Ser Thr
 35

<210> 757

<211> 27

<212> PRT

<213> Homo sapiens

<400> 757

Gln Val Ile Leu Pro Ala Leu Thr Leu Val Tyr Phe Ser Ile Leu Trp
 1 5 10 15

Thr Leu Thr His Ile Ser Lys Ser Asp Ala Ser
 20 25

<210> 758

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 758

Ser Thr His Asp Leu Thr Arg Trp Glu Leu Tyr Glu Pro Cys Cys Gln
 1 5 10 15

Leu Leu Gln Lys Ala Val Asp Thr Gly Xaa Val Pro His Gln Val
 20 25 30

<210> 759
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 759
 Thr Ser Phe Leu Phe Pro Leu Gln Ala Phe Val Leu Leu Ser Asp Leu
 1 5 10 15

Leu Leu Ile Phe Ser Pro Gln Met Ile Val Gly Gly Arg Asp Phe Leu
 20 25 30

Arg Pro Leu Val Phe Phe Pro Glu Ala Thr Leu Gln Ser Glu Leu Ala
 35 40 45

Ser Phe Leu Met Asp His Val Phe Ile Gln Pro Gly Asp Leu Gly Ser
 50 55 60

Gly Ala
 65

<210> 760
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 760
 Gly Trp Gly Ala Cys Ser Tyr Leu Leu Cys Asn Pro Glu Phe Thr Phe
 1 5 10 15

Phe Ser Arg Ala Asp Phe Ala Arg Ser Gln Leu Val Asp Leu Leu Thr
 20 25 30

Asp Arg Phe Gln Gln Glu Leu Glu Glu Leu Leu Gln Val Gly Ala Gly
 35 40 45

Ala Gly Gln Trp Asp Thr Pro Asn Lys Gly Gly Arg Gly Cys Lys Thr
 50 55 60

Gly Asp Val Asp
 65

<210> 761
 <211> 78
 <212> PRT
 <213> Homo sapiens

<400> 761
 Val Trp Val Leu Asp Gly Ile Met Gly Thr Glu Glu Ser Val Ser Ser
 1 5 10 15

Phe Phe Pro Phe Lys Pro Leu Cys Pro Gln Lys Gln Leu Ser Ser Leu

20	25	30
Arg Asp Arg Met Val Ala Phe Cys Glu Leu Cys Gln Ser Cys Leu Ser		
35	40	45
Asp Val Asp Thr Glu Ile Gln Glu Gln Val Ser Thr Asp Ser Ser Gly		
50	55	60
Ser Asn Lys Ala Ser Ile Pro Ala Pro Ile Pro Arg Arg Asn		
65	70	75

<210> 762
 <211> 152
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (67)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (86)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 762
 Asn Ala Ser Leu Pro Ser Thr Ser Glu Trp Leu Ser Ser Ser Ser Pro
 1 5 10 15
 Ser Arg Phe Tyr Trp Cys Leu Trp Ser Trp Phe Pro Leu Phe Phe Ser
 20 25 30
 Ser Ile Thr Phe Pro Phe Leu Pro Gln Ser Thr His Asp Leu Thr Arg
 35 40 45
 Trp Glu Leu Tyr Glu Pro Cys Cys Gln Leu Leu Gln Lys Ala Val Asp
 50 55 60
 Thr Gly Xaa Val Pro His Gln Val Ser Gly Gln Ala Arg Asp Gly Leu
 65 70 75 80
 Gly Ala Gly Gly Leu Xaa Phe Lys Asp Leu Arg Ser Arg Trp Pro Leu
 85 90 95
 Gly Val Ser Ser Leu Ser Ala Trp Ser Gly Gln Ser Glu Glu Asp Gln
 100 105 110
 Val Gly Gly Gly His Leu Leu His Ser Ser Leu Arg Arg Trp Thr Leu
 115 120 125
 Leu Pro Gly Ser Ser Trp Ile Ser Trp Lys Pro Arg Ile Ile Leu Arg
 130 135 140
 Asp Ser Arg Arg Arg Arg Val Asn
 145 150

<210> 763
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 763
 Val Leu Gly Glu Met Leu Leu Trp Ile Phe Phe Pro Ser Gln Ser Ser
 1 5 10 15
 Phe Leu Asp Glu Asp Glu Val Tyr Asn Leu Ala Ala Thr Leu Lys Arg
 20 25 30
 Leu Ser Ala Phe Tyr Lys
 35

<210> 764
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 764
 Pro Lys Pro His Phe Ser Asn Pro Leu Leu Leu Gln Val Ile Leu Pro
 1 5 10 15
 Ala Leu Thr Leu Val Tyr Phe Ser Ile Leu Trp Thr Leu Thr His Ile
 20 25 30
 Ser Lys Ser Asp Ala Ser Pro Gly Glu Cys Gly Ser
 35 40

<210> 765
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 765
 His Cys Gln Phe Leu Leu Gly
 1 5

<210> 766
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 766
 Glu Phe Gly Thr Ser Leu Val Ala Leu Glu Leu His Glu Leu Leu Tyr
 1 5 10 15
 His Trp Glu Thr Arg Ala Gln Pro Ser Leu Ile Leu Tyr Val Val Ser
 20 25 30
 Asp Leu Arg Trp Met Glu Phe Arg Thr Ser Cys Leu Leu Phe Asp Phe
 35 40 45

Val Leu Phe Leu Glu
50

<210> 767

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 767

Thr Lys Pro Gly Met Val Gly His Val Pro Ile Val Pro Ala Thr Lys
1 5 10 15

Xaa Ala Glu Ala Gly Gly Ser Pro Glu Pro Gly Ser Ser Thr Leu Gln
20 25 30

Trp Pro Met Ile Thr Pro Cys Thr Pro Ser Trp Ala Thr Glu Pro Asp
35 40 45

His Val Ser Glu Asp Glu
50

<210> 768

<211> 30

<212> PRT

<213> Homo sapiens

<400> 768

Leu Leu Tyr His Trp Glu Thr Arg Ala Gln Pro Ser Leu Ile Leu Tyr
1 5 10 15

Val Val Ser Asp Leu Arg Trp Met Glu Phe Arg Thr Ser Cys
20 25 30

<210> 769

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 769

Leu Ala Val Ser Thr Ser Phe Ile Cys Cys Ala Asp Ile Ser Thr Ala
1 5 10 15

Leu Pro Leu Gly Ser Ser Arg Pro Ala Pro Ala Pro Arg His Arg Glu
20 25 30

His Glu His Gly His Gln Ala Arg Pro Pro Arg Leu Leu Xaa Thr Ser
35 40 45

Leu Met Pro Leu Ser Thr Pro Ala Ala Ala Gln Leu Leu Trp Thr Gln
50 55 60

Leu Thr Pro Met Gly Gly Arg Pro Gly Gly Arg His Ser Pro Pro Thr
65 70 75 80

Leu His Thr Gly Pro Arg Ala Leu Pro Pro Gly Pro Pro His Pro Ser
85 90 95

Leu His Val Ala Ala Leu Ser Leu Leu Arg
100 105

<210> 770

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 770

Ala Pro Ala Val Pro His Gln Pro Pro Gly Thr Glu Ser Thr Ser Met
1 5 10 15

Gly Thr Lys Pro Gly Leu Pro Gly Cys Ser Xaa Arg Pro Leu Cys His
20 25 30

Tyr Gln His Gln Leu Xaa Pro Ser Tyr Phe Gly His Ser Ser Pro Pro
35 40 45

Trp Gly Ala Val Leu Val Gly Val Thr Pro His Pro Arg Cys Thr Pro
50 55 60

Ala Pro Gly Pro Cys Arg Leu Gly Leu His Thr His Pro Cys Thr Trp
65 70 75 80

Gln Leu Cys Leu Cys
85

<210> 771

<211> 28

<212> PRT

<213> Homo sapiens

<400> 771

Cys Ala Asp Ile Ser Thr Ala Leu Pro Leu Gly Ser Ser Arg Pro Ala

1

5

10

15

Pro Ala Pro Arg His Arg Glu His Glu His Gly His
 20 25

<210> 772

<211> 25

<212> PRT

<213> Homo sapiens

<400> 772

Trp Thr Gln Leu Thr Pro Met Gly Gly Arg Pro Gly Gly Arg His Ser
 1 5 10 15

Pro Pro Thr Leu His Thr Gly Pro Arg
 20 25

<210> 773

<211> 20

<212> PRT

<213> Homo sapiens

<400> 773

His Gln Pro Pro Gly Thr Glu Ser Thr Ser Met Gly Thr Lys Pro Gly
 1 5 10 15

Leu Pro Gly Cys
 20

<210> 774

<211> 64

<212> PRT

<213> Homo sapiens

<400> 774

Ser Arg Gly Ser Leu Leu Pro Pro His Leu Pro His Arg Val Val Val
 1 5 10 15

Arg Val His Arg Gly Ala Lys Ser Leu Lys Ala Leu Arg Gln Tyr Ile
 20 25 30

Gly Ala Ala His Leu Gln Leu Pro Trp Asp Gly Lys Asp Pro Ala Arg
 35 40 45

Pro Leu Gly Ile Thr Leu Cys Leu Gln Met Glu Ile Gln Val Leu Gly
 50 55 60

<210> 775

<211> 150

<212> PRT

<213> Homo sapiens

<400> 775

Cys Cys Ser Phe Gly Phe Tyr Tyr Met Val Gly Ser Asp Thr Ala Glu
 1 5 10 15

Lys Gln Gly Pro Ile Pro Gly Ser Gln Thr Gln Glu Gly Pro Trp Leu
 20 25 30

Ser Arg His Thr His Ser Pro Arg Ala Val Pro Glu Ser Ser Thr Ala
 35 40 45

Pro Ala Gln Pro Leu Leu Leu Pro Leu Pro Ala Pro Gln Ala Arg Arg
 50 55 60

Trp Ala Ser Asn Ala Asn Gly Trp Gly Trp Asp His Gln Arg Glu Gly
 65 70 75 80

Gln Ala Asn Tyr Pro Tyr Ser Ala Arg Pro Ala Pro His Asn Leu His
 85 90 95

Pro Gln Tyr Leu Asn Leu His Leu Gln Thr Gln Cys Tyr Ala Gln Gly
 100 105 110

Ser Gly Trp Val Leu Pro Ile Pro Gly Gln Leu Lys Val Gly Gly Pro
 115 120 125

Tyr Ile Leu Pro Glu Gly Leu Gln Gly Leu Cys Ser Ser Val His Pro
 130 135 140

His Asn Asn Pro Val Arg
 145 150

<210> 776

<211> 25

<212> PRT

<213> Homo sapiens

<400> 776

His Arg Gly Ala Lys Ser Leu Lys Ala Leu Arg Gln Tyr Ile Gly Ala
 1 5 10 15

Ala His Leu Gln Leu Pro Trp Asp Gly
 20 25

<210> 777

<211> 21

<212> PRT

<213> Homo sapiens

<400> 777

Pro Ala Pro Gln Ala Arg Arg Trp Ala Ser Asn Ala Asn Gly Trp Gly
 1 5 10 15

Trp Asp His Gln Arg
 20

<210> 778
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 778
 His Pro Gln Tyr Leu Asn Leu His Leu Gln Thr Gln Cys Tyr Ala Gln
 1 5 10 15
 Gly Ser Gly Trp Val Leu Pro
 20

<210> 779
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 779
 Thr Asn Gly Ile Met Gln Tyr Val Thr Phe Cys Val Trp Leu Ile Leu
 1 5 10 15
 Phe Ser Ile Met Phe Leu Arg Phe Ile Gln Ala Val Ala Cys Ile Ser
 20 25 30
 Thr Ser Phe Leu Phe Leu Ala Glu Tyr Tyr Ser Ile Ile Trp Ile Tyr
 35 40 45
 His Asn Ser Phe Thr Tyr Ser Ser Phe Val Ser Ala Val Trp Leu Leu
 50 55 60

<210> 780
 <211> 123
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 780
 Tyr Asn Phe Met Phe Asn Phe Ser Lys Asn Cys Gln Lys Val Phe His

1	5	10	15
Ser Gly Cys Ile Ile Tyr Ile Pro Thr Gly Asn Val Gln Gly Phe Leu			
20	25	30	
Phe Phe His Ile Leu Ala Leu Thr Asn Thr Ser Phe Xaa Xaa Xaa Phe			
35	40	45	
Cys Phe Phe Ile Ile Ala Thr Leu Val Asp Val Lys Trp His Leu Ile			
50	55	60	
Val Leu Ile Cys Ile Ser Leu Met Thr Asn Asp Ile Ile Leu Phe Leu			
65	70	75	80
Cys Ala Tyr Gly Ser Lys Val Phe Pro Trp Arg Asn Val Pro Ser Ser			
85	90	95	
Pro Leu Pro Phe Gln Asn Leu Val Ile Cys Leu Leu Leu Phe Ser Phe			
100	105	110	
Lys Lys Phe Trp Pro Gly Ala Val Ala His Leu			
115	120		

<210> 781

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 781

Cys Val Thr Gln Ala Arg Val Gln Trp Arg Asp Leu Gly Ser Leu Gln
1 5 10 15

Pro Pro Pro Pro Gly Phe Lys Arg Phe Ser Cys Leu Ser Leu Ser
20 25 30

Arg Xaa Asp Tyr Met His Leu Pro Pro Arg Pro Ala Asn Phe Cys Ile
35 40 45

Phe Ser Lys Met Gly Phe His His Val Gly Gln Ala Gly Leu Glu Val
50 55 60

Leu Xaa Ser Ser Asp Leu Pro Ala Leu Ala Ser Gln Ser Ala Xaa Ile

65

70

75

80

Thr Gly Glu Pro Leu Arg Leu Ala Arg Ile Ser
 85 90

<210> 782

<211> 25

<212> PRT

<213> Homo sapiens

<400> 782

Leu Pro Pro Arg Pro Ala Asn Phe Cys Ile Phe Ser Lys Met Gly Phe
 1 5 10 15

His His Val Gly Gln Ala Gly Leu Glu
 20 25

<210> 783

<211> 24

<212> PRT

<213> Homo sapiens

<400> 783

Leu Ile Leu Phe Ser Ile Met Phe Leu Arg Phe Ile Gln Ala Val Ala
 1 5 10 15

Cys Ile Ser Thr Ser Phe Leu Phe
 20

<210> 784

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 784

Ala Leu Val Pro Ser Pro Gln Gln Ile Leu Pro Ser Cys Phe Ser Leu
 1 5 10 15

Met Trp Gln Val Thr Thr Lys Ser Ala Leu Val Phe Phe Lys Cys Ile
 20 25 30

Tyr Ile Pro Phe Leu Ser Ala Pro Ser Leu Pro Arg Leu Glu Asn Cys
 35 40 45

Leu Ile Phe Cys Ser Leu Asp Val Gln Ser Gln Leu Val Phe Leu Ser
 50 55 60

Ser Pro Pro Val Ala Gly Val Leu Phe Phe Phe Leu Leu Ser Pro Leu
 65 70 75 80

Gly Ser Lys Ser Cys Ser Thr Val Glu Xaa
85 90

<210> 785
<211> 26
<212> PRT
<213> Homo sapiens

<400> 785
Ala Pro Ser Leu Pro Arg Leu Glu Asn Cys Leu Ile Phe Cys Ser Leu
1 5 10 15

Asp Val Gln Ser Gln Leu Val Phe Leu Ser
20 25

<210> 786
<211> 13
<212> PRT
<213> Homo sapiens

<400> 786
Ser Ser Pro Ser Arg Val Arg Leu Arg His Thr Pro Gly
1 5 10

<210> 787
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 787
Ser Asn Thr Asn Tyr Cys Phe Met Phe Phe Tyr Phe Pro Val Lys Val
1 5 10 15

Leu Val Pro Phe Lys Asn Cys Tyr Ile Leu Ser Leu Leu Ile Leu Pro
20 25 30

Cys Cys Ile Cys Gly His Gln Phe Pro Arg Xaa Gln Ala Cys Thr Phe
35 40 45

Cys Leu His Thr Leu Gly Gly Phe Ser Phe Ser Xaa Leu Phe Leu Val
50 55 60

Leu Leu Ser Phe Tyr Val Gln Thr Gly Phe Ser Val
65 70 75

<210> 788
 <211> 119
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (97)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 788
 Gly Thr Ser Arg His Gly Gln Arg Pro Ile Ala Pro Gly Thr Pro Trp
 1 5 10 15
 Gln Arg Glu Pro Arg Val Glu Val Met Asp Pro Ala Gly Gly Pro Arg
 20 25 30
 Gly Val Leu Pro Arg Pro Cys Arg Xaa Leu Val Leu Leu Asn Pro Arg
 35 40 45
 Gly Gly Lys Gly Lys Ala Leu Gln Leu Phe Arg Ser His Val Gln Pro
 50 55 60
 Leu Leu Ala Glu Ala Glu Ile Ser Phe Thr Leu Met Leu Thr Glu Arg
 65 70 75 80
 Arg Asn His Ala Arg Glu Leu Val Arg Ser Glu Glu Leu Gly Arg Trp
 85 90 95
 Xaa Ala Leu Val Val Met Xaa Gly Asp Gly Leu Met His Glu Val Val
 100 105 110
 Asn Gly Leu His Gly Ala Ala
 115

<210> 789
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 789
 Arg Pro Ile Ala Pro Gly Thr Pro Trp Gln Arg Glu Pro Arg Val Glu
 1 5 10 15
 Val Met Asp Pro Ala Gly Gly Pro
 20

<210> 790
 <211> 15
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 790
 Ala Ser Gly Pro Leu Met Gly Xaa Ala Val Leu Lys Ile Phe Glu
 1 5 10 15

<210> 791
 <211> 18
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 791
 Leu Leu Arg Ser Ala Leu Xaa Ser Pro His Leu Pro Thr Pro Val Pro
 1 5 10 15

Leu Val

<210> 792
 <211> 69
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 792

Gln Xaa Arg Asn Leu Ala Gln Glu Ala Phe Lys Trp Ile Pro Gln Asp
1 5 10 15

Arg Pro Thr Val Arg Ser Arg Xaa Arg Met Gly Leu Ser Ile Arg Leu
20 25 30

Pro Ile Leu Ala Ser Asn Cys Cys Ala Leu Pro Phe Xaa Xaa Pro Thr
35 40 45

Ser Pro Leu Gln Cys Leu Trp Ser Cys His Cys Ser Phe Gln Ala Asn
50 55 60

Thr Gly Leu Ala Ser
65

<210> 793

<211> 59

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 793

Gln Met Thr Gln Glu Pro Pro Thr Ser Val Arg Ala His Gly Ile Ala
1 5 10 15

Ala Trp Gly Asn Gly Cys Arg Asp Lys Asn Thr Lys Arg Leu Ile Gln
20 25 30

Tyr Trp Pro Glu Ser Cys Ser Gly Met Thr Lys Gly Thr Gly Val Gly
35 40 45

Arg Trp Gly Glu Xaa Arg Ala Glu Arg Ser Ser
50 55

<210> 794

<211> 21

<212> PRT

<213> Homo sapiens

<400> 794

His Gly Ile Ala Ala Trp Gly Asn Gly Cys Arg Asp Lys Asn Thr Lys
1 5 10 15

Arg Leu Ile Gln Tyr
20

<210> 795

<211> 13

<212> PRT

<213> Homo sapiens

<400> 795

Cys Glu Arg Ser Gly Tyr Thr Arg Met Ala Met Asp Thr
 1 5 10

<210> 796

<211> 132

<212> PRT

<213> Homo sapiens

<400> 796

Thr Gly Ser Ile Leu Ala Val Gly Lys Lys Tyr Ser Leu Gly Ser Tyr
 1 5 10 15

Ser Arg Gly Asp Trp His Met Arg Val Val Gly Leu Arg Gly Leu Gly
 20 25 30

Ala Ser Thr Leu Gln Gly Leu Leu Ile Gly Ile Lys Pro Asn Lys Pro
 35 40 45

Gln Gly Arg Gly Lys Leu Gln Gly Arg Ser Ser Arg Lys Asp Thr Val
 50 55 60

Leu Trp Pro Ser Pro Glu His Pro His Met Val Ser Met Ala Ile Leu
 65 70 75 80

Val Tyr Pro Asp Leu Ser His Tyr Ser Asn Pro His Ser Thr Pro Ala
 85 90 95

Ala Leu Leu Gly Cys Trp Pro Pro Phe Arg Glu Gly Glu Ile Leu Gly
 100 105 110

Leu Gln Arg Pro Gly Gln Trp Pro Glu Glu Arg Cys Asp Arg Pro Trp
 115 120 125

Leu Pro Pro Cys
 130

<210> 797

<211> 29

<212> PRT

<213> Homo sapiens

<400> 797

Gly Ser Tyr Ser Arg Gly Asp Trp His Met Arg Val Val Gly Leu Arg
 1 5 10 15

Gly Leu Gly Ala Ser Thr Leu Gln Gly Leu Leu Ile Gly
 20 25

<210> 798

<211> 27

<212> PRT

<213> Homo sapiens

<400> 798

Ser Thr Pro Ala Ala Leu Leu Gly Cys Trp Pro Pro Phe Arg Glu Gly
1 5 10 15

Glu Ile Leu Gly Leu Gln Arg Pro Gly Gln Trp
20 25

<210> 799

<211> 44

<212> PRT

<213> Homo sapiens

<400> 799

Thr Met Gly Thr Trp Val Asp Trp Leu Thr Thr Asn Thr Ala His Thr
1 5 10 15

Pro Ala Ile Ala Ala Ala Ile Cys Ala Glu Asp Phe Pro Gln Arg His
20 25 30

Cys Gly Ser Val Glu Arg Ser Pro Asp Gln Ala Cys
35 40

<210> 800

<211> 23

<212> PRT

<213> Homo sapiens

<400> 800

Thr Asn Thr Ala His Thr Pro Ala Ile Ala Ala Ala Ile Cys Ala Glu
1 5 10 15

Asp Phe Pro Gln Arg His Cys
20

<210> 801

<211> 15

<212> PRT

<213> Homo sapiens

<400> 801

Met Ser Pro Glu Thr Lys Gly Lys Gly Arg Ser Phe Pro Leu Lys
1 5 10 15

<210> 802

<211> 82

<212> PRT

<213> Homo sapiens

<400> 802

Cys Gln Asn Lys Cys Ser Glu Thr Thr Cys Gly Arg Thr Arg Arg Glu
1 5 10 15

Ser Asn Lys Gln Ala Arg Ala Met Ala Phe Ile Phe Lys Gly Lys Asp
 20 25 30

Leu Pro Phe Pro Phe Val Ser Gly Asp Ile Gln Pro Lys Ser Ser Gly
 35 40 45

Ser Met Ala Pro Asp Gln Gln Gly Leu Cys Tyr Leu Gly Ser Trp Arg
 50 55 60

Ser His Leu Tyr Cys Arg Leu Leu Pro Met Asp Gln Val Ser Pro Ala
 65 70 75 80

Leu Cys

<210> 803

<211> 63

<212> PRT

<213> Homo sapiens

<400> 803

Lys Pro Ser Pro Gly Leu Ala Tyr Cys Ser Leu Ser Trp Ser Phe His
 1 5 10 15

Met Leu Phe Leu Asn Ile Cys Ser Gly Ile Thr Ile Pro Val Ile Leu
 20 25 30

Ser Ser Gly Pro Ser His Leu Ser Thr Leu Ser Leu Ala Val Ser Pro
 35 40 45

Arg Arg Pro Gly Thr Trp Val Lys Ala Cys Ser Cys Trp Cys Pro
 50 55 60

<210> 804

<211> 25

<212> PRT

<213> Homo sapiens

<400> 804

Asn Lys Gln Ala Arg Ala Met Ala Phe Ile Phe Lys Gly Lys Asp Leu
 1 5 10 15

Pro Phe Pro Phe Val Ser Gly Asp Ile
 20 25

<210> 805

<211> 21

<212> PRT

<213> Homo sapiens

<400> 805

Tyr Leu Gly Ser Trp Arg Ser His Leu Tyr Cys Arg Leu Leu Pro Met
 1 5 10 15

Asp Gln Val Ser Pro

20

<210> 806
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 806
 Gly Ile Thr Ile Pro Val Ile Leu Ser Ser Gly Pro Ser His Leu Ser
 1 5 10 15

Thr Leu Ser Leu Ala Val Ser Pro Arg
 20 25

<210> 807
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 807
 Leu Glu Arg Leu Gly Val Gly Arg Gly Leu Glu
 1 5 10

<210> 808
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 808
 Asp Leu Pro Pro Cys Trp Thr Thr Leu Lys Glu His Gln Cys Phe Met
 1 5 10 15

Gln Tyr Gln Leu Phe Thr Ile Gln Cys Lys Val Val Glu Gln Thr Ile
 20 25 30

Cys Glu Asp Glu Arg Lys Met Glu Ser Thr Cys Leu Thr Leu Ala Xaa
 35 40 45

Pro Glu Ser Val Arg Gln Xaa Cys Pro Ala Thr Leu Trp Ser Ser Met
 50 55 60

Asn Ile Cys
 65

<210> 809

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 809

Thr	Asn	Arg	Val	Xaa	Leu	Ser	Trp	Arg	Lys	Glu	Glu	Gln	Arg	Met	Gly
1				5					10					15	

Arg	Thr	Glu	Thr	Gly	Ala	Lys	Asp	Lys	Gly	Arg	Asp	Phe	Leu	Glu	Arg
			20					25					30		

Gly	Ser	Arg	Gly	Trp	Gln	Leu	Tyr	Thr	Gly	Ala	Ala	Asp	Thr	Glu	Glu
		35					40					45			

Val

<210> 810

<211> 207

<212> PRT

<213> Homo sapiens

<400> 810

Glu	Gln	Val	Leu	Ala	Leu	Leu	Trp	Pro	Arg	Phe	Glu	Leu	Ile	Leu	Glu
1				5					10					15	

Met	Asn	Val	Gln	Ser	Val	Arg	Ser	Thr	Asp	Pro	Gln	Arg	Leu	Gly	Gly
		20						25					30		

Leu	Asp	Thr	Arg	Pro	His	Tyr	Ile	Thr	Arg	Arg	Tyr	Ala	Glu	Phe	Ser
		35					40					45			

Ser	Ala	Leu	Val	Ser	Ile	Asn	Gln	Thr	Ile	Pro	Asn	Glu	Arg	Thr	Met
	50					55					60				

Gln	Leu	Leu	Gly	Gln	Leu	Gln	Val	Glu	Val	Glu	Asn	Phe	Val	Leu	Arg
65					70				75					80	

Val	Ala	Ala	Glu	Phe	Ser	Ser	Arg	Lys	Glu	Gln	Leu	Val	Phe	Leu	Ile
			85						90				95		

Asn	Asn	Tyr	Asp	Met	Met	Leu	Gly	Val	Leu	Met	Glu	Arg	Ala	Ala	Asp
		100					105					110			

Asp	Ser	Lys	Glu	Val	Glu	Ser	Phe	Gln	Gln	Leu	Leu	Asn	Ala	Arg	Thr
	115						120					125			

Gln	Glu	Phe	Ile	Glu	Glu	Leu	Leu	Ser	Pro	Pro	Phe	Gly	Gly	Leu	Val
130						135					140				

Ala Phe Val Lys Glu Ala Glu Ala Leu Ile Glu Arg Gly Gln Ala Glu

145		150		155		160
Arg Leu Arg Gly Glu Glu Ala Arg Val Thr Gln Leu Ile Arg Gly Phe						
	165			170		175
Gly Ser Ser Trp Lys Ser Ser Val Glu Ser Leu Ser Gln Asp Val Met						
	180			185		190
Arg Ser Phe Thr Asn Phe Arg Asn Gly Thr Ser Ile Ile Gln Gly						
	195			200		205

<210> 811
 <211> 110
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (72)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 811
Ala Leu Leu Lys Tyr Arg Phe Phe Tyr Gln Phe Leu Leu Gly Asn Glu
1 5 10 15
Arg Ala Thr Ala Lys Glu Ile Arg Asp Glu Tyr Val Glu Thr Leu Ser
20 25 30
Lys Ile Tyr Leu Ser Tyr Tyr Arg Ser Tyr Leu Gly Arg Leu Met Lys
35 40 45
Val Gln Tyr Glu Glu Val Ala Glu Lys Asp Asp Leu Met Gly Val Glu
50 55 60
Asp Thr Ala Lys Lys Gly Phe Xaa Ser Lys Pro Ser Leu Arg Ser Arg
65 70 75 80
Asn Thr Ile Phe Thr Leu Gly Thr Arg Gly Ser Val Ile Ser Pro Thr
85 90 95
Glu Leu Glu Ala Pro Ile Leu Val Pro His Thr Ala Gln Arg
100 105 110

<210> 812
 <211> 97
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 812

Glu Gln Arg Tyr Pro Phe Glu Ala Leu Phe Arg Ser Gln His Tyr Xaa
1 5 10 15

Leu Leu Asp Asn Ser Cys Arg Glu Tyr Leu Phe Ile Cys Glu Phe Phe
20 25 30

Val Val Ser Gly Pro Xaa Ala His Asp Leu Phe His Ala Val Met Gly
35 40 45

Arg Thr Leu Ser Met Thr Leu Lys His Leu Asp Ser Tyr Leu Ala Asp
50 55 60

Cys Tyr Asp Ala Ile Ala Val Phe Leu Cys Ile His Ile Val Leu Arg
65 70 75 80

Phe Arg Asn Ile Ala Ala Lys Arg Asp Val Pro Ala Leu Asp Arg Tyr
85 90 95

Trp

<210> 813

<211> 26

<212> PRT

<213> Homo sapiens

<400> 813

Gly Gly Leu Asp Thr Arg Pro His Tyr Ile Thr Arg Arg Tyr Ala Glu
1 5 10 15

Phe Ser Ser Ala Leu Val Ser Ile Asn Gln
20 25

<210> 814

<211> 20

<212> PRT

<213> Homo sapiens

<400> 814

Ser Arg Lys Glu Gln Leu Val Phe Leu Ile Asn Asn Tyr Asp Met Met
1 5 10 15

Leu Gly Val Leu
20

<210> 815

<211> 411

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (149)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 815

Ala	Leu	Leu	Lys	Tyr	Arg	Phe	Phe	Tyr	Gln	Phe	Leu	Leu	Gly	Asn	Glu
1			5						10					15	

Arg	Ala	Thr	Ala	Lys	Glu	Ile	Arg	Asp	Glu	Tyr	Val	Glu	Thr	Leu	Ser
			20					25					30		

Lys	Ile	Tyr	Leu	Ser	Tyr	Tyr	Arg	Ser	Tyr	Leu	Gly	Arg	Leu	Met	Lys
		35					40					45			

Val	Gln	Tyr	Glu	Glu	Val	Ala	Glu	Lys	Asp	Asp	Leu	Met	Gly	Val	Glu
	50					55					60				

Asp	Thr	Ala	Lys	Lys	Gly	Phe	Xaa	Ser	Lys	Pro	Ser	Leu	Arg	Ser	Arg
65					70					75					80

Asn	Thr	Ile	Phe	Thr	Leu	Gly	Thr	Arg	Gly	Ser	Val	Ile	Ser	Pro	Thr
			85						90					95	

Glu	Leu	Glu	Ala	Pro	Ile	Leu	Val	Pro	His	Thr	Ala	Gln	Arg	Xaa	Glu
			100					105					110		

Gln	Arg	Tyr	Pro	Phe	Glu	Ala	Leu	Phe	Arg	Ser	Gln	His	Tyr	Xaa	Leu
		115					120					125			

Leu	Asp	Asn	Ser	Cys	Arg	Glu	Tyr	Leu	Phe	Ile	Cys	Glu	Phe	Phe	Val
	130					135					140				

Val	Ser	Gly	Pro	Xaa	Ala	His	Asp	Leu	Phe	His	Ala	Val	Met	Gly	Arg
145					150					155					160

Thr	Leu	Ser	Met	Thr	Leu	Lys	His	Leu	Asp	Ser	Tyr	Leu	Ala	Asp	Cys
			165						170					175	

Tyr	Asp	Ala	Ile	Ala	Val	Phe	Leu	Cys	Ile	His	Ile	Val	Leu	Arg	Phe
			180					185					190		

Arg	Asn	Ile	Ala	Ala	Lys	Arg	Asp	Val	Pro	Ala	Leu	Asp	Arg	Tyr	Trp
		195					200					205			

Glu Gln Val Leu Ala Leu Leu Trp Pro Arg Phe Glu Leu Ile Leu Glu
210 215 220

Met Asn Val Gln Ser Val Arg Ser Thr Asp Pro Gln Arg Leu Gly Gly
225 230 235 240

Leu Asp Thr Arg Pro His Tyr Ile Thr Arg Arg Tyr Ala Glu Phe Ser
245 250 255

Ser Ala Leu Val Ser Ile Asn Gln Thr Ile Pro Asn Glu Arg Thr Met
260 265 270

Gln Leu Leu Gly Gln Leu Gln Val Glu Val Glu Asn Phe Val Leu Arg
275 280 285

Val Ala Ala Glu Phe Ser Ser Arg Lys Glu Gln Leu Val Phe Leu Ile
290 295 300

Asn Asn Tyr Asp Met Met Leu Gly Val Leu Met Glu Arg Ala Ala Asp
305 310 315 320

Asp Ser Lys Glu Val Glu Ser Phe Gln Gln Leu Leu Asn Ala Arg Thr
325 330 335

Gln Glu Phe Ile Glu Glu Leu Leu Ser Pro Pro Phe Gly Gly Leu Val
340 345 350

Ala Phe Val Lys Glu Ala Glu Ala Leu Ile Glu Arg Gly Gln Ala Glu
355 360 365

Arg Leu Arg Gly Glu Glu Ala Arg Val Thr Gln Leu Ile Arg Gly Phe
370 375 380

Gly Ser Ser Trp Lys Ser Ser Val Glu Ser Leu Ser Gln Asp Val Met
385 390 395 400

Arg Ser Phe Thr Asn Phe Arg Asn Gly Thr Ser
405 410

<210> 816

<211> 82

<212> PRT

<213> Homo sapiens

<400> 816

Pro Ala Asp Leu Arg Ala Val Ser Gly Thr Ser Glu Val Gly Leu Met
1 5 10 15

Leu Leu Glu Leu His His Lys Val Val Asn Val Asp Glu Leu Ser Pro
20 25 30

Gly Arg Glu Gly Ser Glu Leu Arg Leu Gly Gln His Pro Val Glu Ala
35 40 45

Met Ile Glu Leu Asp Gln Leu Gly Gln Arg Ser Leu Asn Asp Thr Gly
50 55 60

Ala Ile Ser Glu Val Gly Glu Thr Pro His Tyr Ile Leu Thr Gln Arg
 65 70 75 80

Phe His

<210> 817
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 817
 Gly Pro His Pro Gly Ala Ser His Ser Ala Ala Xaa Glu Gln Arg Tyr
 1 5 10 15

Pro Phe Glu Ala Leu Phe Arg Ser Gln His Tyr Xaa Leu Leu Asp Asn
 20 25 30

Ser Cys Arg Glu Tyr Leu Phe Ile Cys Glu Phe Phe Val Val Ser Gly
 35 40 45

Pro Xaa Ala His Asp Leu Phe His Ala Val Met Gly Arg Thr Leu Ser
 50 55 60

Met Thr Leu Lys His Leu Asp Ser Tyr Leu Ala Asp Cys Tyr Asp Ala
 65 70 75 80

Ile Ala Val Phe Leu Cys Ile His Ile Val Leu Arg Phe Arg Asn Ile
 85 90 95

Ala Ala Lys Arg Asp Val Pro Ala Leu Asp Arg Tyr Trp Gly Thr Gly
 100 105 110

Ala Cys Leu Ala Met Ala Thr Val
 115 120

<210> 818
 <211> 303
 <212> PRT
 <213> Homo sapiens

<400> 818

Tyr	Glu	Gly	Lys	Glu	Phe	Asp	Tyr	Val	Phe	Ser	Ile	Asp	Val	Asn	Glu
1				5					10					15	
Gly	Gly	Pro	Ser	Tyr	Lys	Leu	Pro	Tyr	Asn	Thr	Ser	Asp	Asp	Pro	Trp
			20					25					30		
Leu	Thr	Ala	Tyr	Asn	Phe	Leu	Gln	Lys	Asn	Asp	Leu	Asn	Pro	Met	Phe
		35					40					45			
Leu	Asp	Gln	Val	Ala	Lys	Phe	Ile	Ile	Asp	Asn	Thr	Lys	Gly	Gln	Met
	50					55					60				
Leu	Gly	Leu	Gly	Asn	Pro	Ser	Phe	Ser	Asp	Pro	Phe	Thr	Gly	Gly	Gly
65				70					75					80	
Arg	Tyr	Val	Pro	Gly	Ser	Ser	Gly	Ser	Ser	Asn	Thr	Leu	Pro	Thr	Ala
				85					90					95	
Asp	Pro	Phe	Thr	Gly	Ala	Gly	Arg	Tyr	Val	Pro	Gly	Ser	Ala	Ser	Met
			100					105					110		
Gly	Thr	Thr	Met	Ala	Gly	Val	Asp	Pro	Phe	Thr	Gly	Asn	Ser	Ala	Tyr
	115						120					125			
Arg	Ser	Ala	Ala	Ser	Lys	Thr	Met	Asn	Ile	Tyr	Phe	Pro	Lys	Lys	Glu
	130					135					140				
Ala	Val	Thr	Phe	Asp	Gln	Ala	Asn	Pro	Thr	Gln	Ile	Leu	Gly	Lys	Leu
145					150					155					160
Lys	Glu	Leu	Asn	Gly	Thr	Ala	Pro	Glu	Glu	Lys	Lys	Leu	Thr	Glu	Asp
				165					170					175	
Asp	Leu	Ile	Leu	Leu	Glu	Lys	Ile	Leu	Ser	Leu	Ile	Cys	Asn	Ser	Ser
			180					185					190		
Ser	Glu	Lys	Pro	Thr	Val	Gln	Gln	Leu	Gln	Ile	Leu	Trp	Lys	Ala	Ile
		195					200					205			
Asn	Cys	Pro	Glu	Asp	Ile	Val	Phe	Pro	Ala	Leu	Asp	Ile	Leu	Arg	Leu
	210					215						220			
Ser	Ile	Lys	His	Pro	Ser	Val	Asn	Glu	Asn	Phe	Cys	Asn	Glu	Lys	Glu
225					230					235					240
Gly	Ala	Gln	Phe	Ser	Ser	His	Leu	Ile	Asn	Leu	Leu	Asn	Pro	Lys	Gly
				245					250					255	
Lys	Pro	Ala	Asn	Gln	Leu	Leu	Ala	Leu	Arg	Thr	Phe	Cys	Asn	Cys	Phe
			260					265					270		
Val	Gly	Gln	Ala	Gly	Gln	Lys	Leu	Met	Met	Ser	Gln	Arg	Glu	Ser	Leu
		275					280					285			
Met	Ser	His	Ala	Ile	Glu	Leu	Lys	Ser	Gly	Ser	Asn	Lys	Asn	Ile	
	290					295						300			

<210> 819
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 819
 His Ile Ala Leu Ala Thr Leu Ala Leu Asn Tyr Ser Val Cys Phe His
 1 5 10 15

Lys Asp

<210> 820
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 820
 His Asn Ile Glu Gly Lys Ala Gln Cys Leu Ser Leu Ile Ser Thr Ile
 1 5 10 15

Leu Glu Val Val Gln Asp Leu Glu Ala Thr Phe Arg Leu Leu Val Ala
 20 25 30

Leu Gly Thr Leu Ile Ser Asp Asp Ser Asn Ala Val Gln Leu Ala Lys
 35 40 45

Ser

<210> 821
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 821
 Leu Gly Val Asp Ser Gln Ile Lys Lys Tyr Ser Ser Val Ser Glu Pro
 1 5 10 15

Ala Lys Val Ser Glu Cys Cys Arg Phe Ile Leu Asn Leu Leu
 20 25 30

<210> 822
 <211> 400
 <212> PRT
 <213> Homo sapiens

<400> 822
 Tyr Glu Gly Lys Glu Phe Asp Tyr Val Phe Ser Ile Asp Val Asn Glu
 1 5 10 15

Gly Gly Pro Ser Tyr Lys Leu Pro Tyr Asn Thr Ser Asp Asp Pro Trp
 20 25 30

Leu Thr Ala Tyr Asn Phe Leu Gln Lys Asn Asp Leu Asn Pro Met Phe
 35 40 45
 Leu Asp Gln Val Ala Lys Phe Ile Ile Asp Asn Thr Lys Gly Gln Met
 50 55 60
 Leu Gly Leu Gly Asn Pro Ser Phe Ser Asp Pro Phe Thr Gly Gly Gly
 65 70 75 80
 Arg Tyr Val Pro Gly Ser Ser Gly Ser Ser Asn Thr Leu Pro Thr Ala
 85 90 95
 Asp Pro Phe Thr Gly Ala Gly Arg Tyr Val Pro Gly Ser Ala Ser Met
 100 105 110
 Gly Thr Thr Met Ala Gly Val Asp Pro Phe Thr Gly Asn Ser Ala Tyr
 115 120 125
 Arg Ser Ala Ala Ser Lys Thr Met Asn Ile Tyr Phe Pro Lys Lys Glu
 130 135 140
 Ala Val Thr Phe Asp Gln Ala Asn Pro Thr Gln Ile Leu Gly Lys Leu
 145 150 155 160
 Lys Glu Leu Asn Gly Thr Ala Pro Glu Glu Lys Lys Leu Thr Glu Asp
 165 170 175
 Asp Leu Ile Leu Leu Glu Lys Ile Leu Ser Leu Ile Cys Asn Ser Ser
 180 185 190
 Ser Glu Lys Pro Thr Val Gln Gln Leu Gln Ile Leu Trp Lys Ala Ile
 195 200 205
 Asn Cys Pro Glu Asp Ile Val Phe Pro Ala Leu Asp Ile Leu Arg Leu
 210 215 220
 Ser Ile Lys His Pro Ser Val Asn Glu Asn Phe Cys Asn Glu Lys Glu
 225 230 235 240
 Gly Ala Gln Phe Ser Ser His Leu Ile Asn Leu Leu Asn Pro Lys Gly
 245 250 255
 Lys Pro Ala Asn Gln Leu Leu Ala Leu Arg Thr Phe Cys Asn Cys Phe
 260 265 270
 Val Gly Gln Ala Gly Gln Lys Leu Met Met Ser Gln Arg Glu Ser Leu
 275 280 285
 Met Ser His Ala Ile Glu Leu Lys Ser Gly Ser Asn Lys Asn Ile His
 290 295 300
 Ile Ala Leu Ala Thr Leu Ala Leu Asn Tyr Ser Val Cys Phe His Lys
 305 310 315 320
 Asp His Asn Ile Glu Gly Lys Ala Gln Cys Leu Ser Leu Ile Ser Thr
 325 330 335
 Ile Leu Glu Val Val Gln Asp Leu Glu Ala Thr Phe Arg Leu Leu Val

340

345

350

Ala Leu Gly Thr Leu Ile Ser Asp Asp Ser Asn Ala Val Gln Leu Ala
 355 360 365

Lys Ser Leu Gly Val Asp Ser Gln Ile Lys Lys Tyr Ser Ser Val Ser
 370 375 380

Glu Pro Ala Lys Val Ser Glu Cys Cys Arg Phe Ile Leu Asn Leu Leu
 385 390 395 400

<210> 823

<211> 29

<212> PRT

<213> Homo sapiens

<400> 823

Leu Asn Leu Leu Leu Ile Thr Gln Lys Val Lys Cys Trp Asp Leu Gly
 1 5 10 15

Ile Pro Ala Phe Gln Ile His Leu Gln Val Val Val Gly
 20 25

<210> 824

<211> 29

<212> PRT

<213> Homo sapiens

<400> 824

Ile Lys His Pro Ser Val Asn Glu Asn Phe Cys Asn Glu Lys Glu Gly
 1 5 10 15

Ala Gln Phe Ser Ser His Leu Ile Asn Leu Leu Asn Pro
 20 25

<210> 825

<211> 22

<212> PRT

<213> Homo sapiens

<400> 825

Ala Ile Glu Leu Lys Ser Gly Ser Asn Lys Asn Ile His Ile Ala Leu
 1 5 10 15

Ala Thr Leu Ala Leu Asn
 20

<210> 826

<211> 23

<212> PRT

<213> Homo sapiens

<400> 826

Val Gln Leu Ala Lys Ser Leu Gly Val Asp Ser Gln Ile Lys Lys Tyr
 1 5 10 15

Ser Ser Val Ser Glu Pro Ala
 20

<210> 827

<211> 26

<212> PRT

<213> Homo sapiens

<400> 827

Tyr Glu Gly Lys Glu Phe Asp Tyr Val Phe Ser Ile Asp Val Asn Glu
 1 5 10 15

Gly Gly Pro Ser Tyr Lys Leu Pro Tyr Asn
 20 25

<210> 828

<211> 26

<212> PRT

<213> Homo sapiens

<400> 828

Ala Tyr Asn Phe Leu Gln Lys Asn Asp Leu Asn Pro Met Phe Leu Asp
 1 5 10 15

Gln Val Ala Lys Phe Ile Ile Asp Asn Thr
 20 25

<210> 829

<211> 15

<212> PRT

<213> Homo sapiens

<400> 829

Ser Phe Ser Asp Pro Phe Thr Gly Gly Gly Arg Tyr Val Pro Gly
 1 5 10 15

<210> 830

<211> 11

<212> PRT

<213> Homo sapiens

<400> 830

Thr Ala Asp Pro Phe Thr Gly Ala Gly Arg Tyr
 1 5 10

<210> 831

<211> 19

<212> PRT

<213> Homo sapiens

<400> 831

Thr Thr Met Ala Gly Val Asp Pro Phe Thr Gly Asn Ser Ala Tyr Arg
1 5 10 15

Ser Ala Ala

<210> 832

<211> 9

<212> PRT

<213> Homo sapiens

<400> 832

Asn Ile Tyr Phe Pro Lys Lys Glu Ala
1 5

<210> 833

<211> 19

<212> PRT

<213> Homo sapiens

<400> 833

Thr Phe Asp Gln Ala Asn Pro Thr Gln Ile Leu Gly Lys Leu Lys Glu
1 5 10 15

Leu Asn Gly

<210> 834

<211> 30

<212> PRT

<213> Homo sapiens

<400> 834

Pro Glu Asp Ile Val Phe Pro Ala Leu Asp Ile Leu Arg Leu Ser Ile
1 5 10 15

Lys His Pro Ser Val Asn Glu Asn Phe Cys Asn Glu Lys Glu
20 25 30

<210> 835

<211> 31

<212> PRT

<213> Homo sapiens

<400> 835

Gln Phe Ser Ser His Leu Ile Asn Leu Leu Asn Pro Lys Gly Lys Pro
1 5 10 15

Ala Asn Gln Leu Leu Ala Leu Arg Thr Phe Cys Asn Cys Phe Val
20 25 30

<210> 836
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 836
 Gln Ala Gly Gln Lys Leu Met Met Ser Gln Arg Glu Ser Leu Met Ser
 1 5 10 15
 His Ala Ile Glu Leu Lys Ser Gly Ser Asn
 20 25

<210> 837
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 837
 Tyr Pro Asn Gln Asp Gly Asp Ile Leu Arg Asp Gln Val Leu His Glu
 1 5 10 15
 His Ile Gln Arg Leu Ser Lys Val Val Thr Ala Asn His Arg Ala Leu
 20 25 30
 Gln Ile Pro Glu Val Tyr Leu Arg Glu Ala Pro Trp Pro Ser Ala Gln
 35 40 45
 Ser Glu Ile Arg Thr Ile Ser Ala Tyr Lys Thr Pro Arg Asp Lys Val
 50 55 60
 Gln Cys Ile Leu Arg Met Cys Ser Thr Ile Met Asn Leu Leu Ser Leu
 65 70 75 80
 Ala Asn Glu Asp Ser Val Pro Gly Ala Asp Asp Phe Val Pro Val Leu
 85 90 95
 Val Phe Val Leu Ile Lys Ala Asn Pro Pro Cys Leu Leu Ser Thr Val
 100 105 110
 Gln Tyr Ile Ser Ser Phe Tyr Ala Ser Cys Leu Ser Gly Glu Glu Ser
 115 120 125
 Tyr Trp Trp Met Gln Phe Thr Ala Ala Val Glu
 130 135

<210> 838
 <211> 144
 <212> PRT
 <213> Homo sapiens

<400> 838
 Tyr Pro Asn Gln Asp Gly Asp Ile Leu Arg Asp Gln Val Leu His Glu
 1 5 10 15
 His Ile Gln Arg Leu Ser Lys Val Val Thr Ala Asn His Arg Ala Leu

20					25					30						
Gln	Ile	Pro	Glu	Val	Tyr	Leu	Arg	Glu	Ala	Pro	Trp	Pro	Ser	Ala	Gln	
35					40					45						
Ser	Glu	Ile	Arg	Thr	Ile	Ser	Ala	Tyr	Lys	Thr	Pro	Arg	Asp	Lys	Val	
50					55					60						
Gln	Cys	Ile	Leu	Arg	Met	Cys	Ser	Thr	Ile	Met	Asn	Leu	Leu	Ser	Leu	
65					70					75					80	
Ala	Asn	Glu	Asp	Ser	Val	Pro	Gly	Ala	Asp	Asp	Phe	Val	Pro	Val	Leu	
85					90					95						
Val	Phe	Val	Leu	Ile	Lys	Ala	Asn	Pro	Pro	Cys	Leu	Leu	Ser	Thr	Val	
100					105					110						
Gln	Tyr	Ile	Ser	Ser	Phe	Tyr	Ala	Ser	Cys	Leu	Ser	Gly	Glu	Glu	Ser	
115					120					125						
Tyr	Trp	Trp	Met	Gln	Phe	Thr	Ala	Ala	Val	Glu	Phe	Ile	Lys	Thr	Ile	
130					135					140						

<210> 839
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 839
 Tyr Pro Asn Gln Asp Gly Asp Ile Leu Arg Asp Gln Val Leu
 1 5 10

<210> 840
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 840
 Glu Ala Pro Trp Pro Ser Ala Gln Ser Glu Ile
 1 5 10

<210> 841
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 841
 Ser Gly Glu Glu Ser Tyr Trp Trp Met Gln Phe Thr Ala Ala Val Glu
 1 5 10 15

Phe Ile Lys Thr Ile
 20

<210> 842
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 842
 Ala Asp Asp Phe Val Pro Val Leu Val Phe Val Leu Ile Lys Ala Asn
 1 5 10 15

Pro Pro

<210> 843
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 843
 Tyr Lys Thr Pro Arg Asp Lys Val Gln Cys Ile Leu
 1 5 10

<210> 844
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 844
 Gly Ala Asp Asp Phe Val Pro Val Leu Val Phe Val Leu Ile Lys
 1 5 10 15

<210> 845
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 845
 Pro Val Leu Val Phe Val Leu Ile Lys Ala Asn Pro
 1 5 10

<210> 846
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 846
 Ser Ala Arg Ala Ser Thr Gln Pro Pro Ala Gly Gln His Pro Gly Pro
 1 5 10 15

Cys

<210> 847
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 847
 Met Pro Gly Arg Trp Arg Trp Gln Arg Asp Met His Pro Ala Arg Lys
 1 5 10 15
 Leu Leu Ser Leu Leu Phe Leu Ile Leu Met Gly Thr Glu Leu Thr Gln
 20 25 30

Asp

<210> 848
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 848
 Ser Ala Ala Pro Asp Ser Leu Leu Arg Ser Ser Lys Gly Ser Thr Arg
 1 5 10 15

Gly Ser Leu

<210> 849
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 849
 Ala Ala Ile Val Ile Trp Arg Gly Lys Ser Glu Ser Arg Ile Ala Lys
 1 5 10 15

Thr Pro Gly Ile
 20

<210> 850
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 850
 Pro Leu Gly Ile Thr Leu Pro Leu Gly Ala Pro Glu Thr Gly Gly Gly
 1 5 10 15

Asp

<210> 851
 <211> 20
 <212> PRT

<213> Homo sapiens

<400> 851

Cys Ala Ala Glu Thr Trp Lys Gly Ser Gln Arg Ala Gly Gln Leu Cys
1 5 10 15

Ala Leu Leu Ala
20

<210> 852

<211> 20

<212> PRT

<213> Homo sapiens

<400> 852

Phe Arg Gly Gly Gly Thr Leu Val Leu Pro Pro Thr His Thr Pro Glu
1 5 10 15

Trp Leu Ile Leu
20

<210> 853

<211> 28

<212> PRT

<213> Homo sapiens

<400> 853

Asn Ser Ala Arg Ala Ser Thr Gln Pro Pro Ala Gly Gln His Pro Gly
1 5 10 15

Pro Cys Met Pro Gly Arg Trp Arg Trp Gln Arg Asp
20 25

<210> 854

<211> 80

<212> PRT

<213> Homo sapiens

<400> 854

Tyr Ile Val Gln Gly Thr Thr Ser Pro Phe Glu Met Pro Thr Ile Pro
1 5 10 15

Thr Pro Ala Arg His Arg Ala Pro His Ser Pro Pro Ala Gly His Val
20 25 30

Ala Thr Ala Pro Gln Ala Leu His Ile Lys Pro Ala Met His Thr Ala
35 40 45

Gly Arg His Ala Gly Cys Pro Ser Arg Ser Gln Arg His Asn Pro His
50 55 60

Arg Leu Phe Leu Glu Pro Pro Arg Ala Ala Leu Cys Pro Lys Gly Gly
65 70 75 80

<210> 855
 <211> 97
 <212> PRT
 <213> Homo sapiens

<400> 855
 Ala Ser Asn Ala His Ser Trp Pro Ala Arg Trp Leu Pro Phe Gln Val
 1 5 10 15
 Ser Ala Ala Gln Ser Pro Pro Pro Val Ser Gly Ala Pro Lys Gly Ser
 20 25 30
 Val Met Pro Lys Gly Arg Met Ser His Ser Gly Val Cys Val Gly Gly
 35 40 45
 Arg Thr Lys Val Pro Pro Pro Leu Lys Met Pro Gly Val Leu Ala Ile
 50 55 60
 Arg Leu Ser Leu Phe Pro Leu Gln Met Thr Ile Ala Ala Lys Asp Pro
 65 70 75 80
 Leu Val Leu Pro Phe Glu Leu Leu Ser Arg Glu Ser Gly Ala Ala Glu
 85 90 95
 Ser

<210> 856
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 856
 Gly Arg Met Ser His Ser Gly Val Cys Val Gly Gly Arg Thr Lys Val
 1 5 10 15
 Pro Pro Pro Leu Lys Met Pro Gly Val Leu Ala
 20 25

<210> 857
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 857
 Gly His Gln Thr Ala Pro Glu Thr Pro Ser Arg Ser Asp
 1 5 10

<210> 858
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 858

Ser Gln Thr Asp Arg
 1 5

<210> 859

<211> 22

<212> PRT

<213> Homo sapiens

<400> 859

Asn Ile Tyr Phe Lys Glu Lys Arg Lys Arg Gly Gly Ala Lys Met Ala
 1 5 10 15

Gly Ala Ile Ile Glu Asn
 20

<210> 860

<211> 147

<212> PRT

<213> Homo sapiens

<400> 860

Val Tyr Leu Cys Ala Tyr Thr Ser Thr Ile Asn Val Thr Val Thr Thr
 1 5 10 15

Ala Asn Ala Lys Leu Ile Asn Met Cys Cys Leu Val Asp Ser Asn Thr
 20 25 30

Arg Ser Cys Val Val Ile Asp Glu Gly Ile Phe Arg Ser Ala Glu Gln
 35 40 45

Phe Leu Ile Lys Phe Arg Asn Lys Gln Ser Thr Ile Phe Pro Arg Phe
 50 55 60

Thr Trp Glu Leu His Ser Ile Gly Leu Val Phe Ser Ile Val Phe Met
 65 70 75 80

Gly Trp Cys Ile Gln Glu His Gln Ser Lys Asp Ile Gln Ile Pro His
 85 90 95

Pro Ile Asp Ala Cys Glu Lys Gly Thr Val His Leu Asp Cys Asp Ala
 100 105 110

Ala Pro Phe Pro Met Ala Phe Arg Tyr Leu Thr Asn Asp Glu Glu Asp
 115 120 125

Asp Ser His Gly Ser Ala Gly Gln Gly Asp Lys His Glu Glu Leu Glu
 130 135 140

Pro Lys Asn
 145

<210> 861

<211> 112

<212> PRT

<213> Homo sapiens

<400> 861

Lys Met Pro Cys Arg Met Ser Pro Asn Ser Ser Ile Gln Val Gln Ser
 1 5 10 15
 Asn Pro Met Glu Asn His Ser Thr Gly Ile Leu Ile Lys Val Met Glu
 20 25 30
 Ile Pro Arg Ala Lys Met Thr Phe Ser Arg Ser Thr Gly Gly Arg Asp
 35 40 45
 Ile Met Val Ile Leu Leu Gln Tyr His Thr Ile Met Met Lys Met Leu
 50 55 60
 Gly Val Arg Lys Val Phe Met Ala Asn His Thr Leu Val Lys Pro Pro
 65 70 75 80
 Phe Trp Trp Ile Pro Thr Asn Arg Ile Ser Phe Ile Ser Pro Ile Pro
 85 90 95
 Thr Leu Ile Phe Phe Phe Ser Phe Thr Gly Ser Arg Met Phe Lys Arg
 100 105 110

<210> 862

<211> 74

<212> PRT

<213> Homo sapiens

<400> 862

Thr Thr Lys Ser Glu Lys Met Gln Lys Ser Pro Trp Thr Phe Pro Trp
 1 5 10 15
 Leu Thr Val Met Thr His Leu Leu Ser Gly Leu Lys Trp Pro Met Lys
 20 25 30
 Glu Tyr His Gly Asn Ser Asn Ala Pro Ser His Leu Pro Arg Leu Gln
 35 40 45
 Ser Met Arg Ala Val Thr Met Asn Val Met Ser Phe Leu Ser Trp Lys
 50 55 60
 Leu Gly Leu Trp Pro Ile Ser Phe Thr Phe
 65 70

<210> 863

<211> 31

<212> PRT

<213> Homo sapiens

<400> 863

Ile Lys Phe Arg Asn Lys Gln Ser Thr Ile Phe Pro Arg Phe Thr Trp

1 5 10 15
 Glu Leu His Ser Ile Gly Leu Val Phe Ser Ile Val Phe Met Gly
 20 25 30

<210> 864

<211> 29

<212> PRT

<213> Homo sapiens

<400> 864

Ser Ser Ile Gln Val Gln Ser Asn Pro Met Glu Asn His Ser Thr Gly
 1 5 10 15

Ile Leu Ile Lys Val Met Glu Ile Pro Arg Ala Lys Met
 20 25

<210> 865

<211> 33

<212> PRT

<213> Homo sapiens

<400> 865

Leu Gly Val Arg Lys Val Phe Met Ala Asn His Thr Leu Val Lys Pro
 1 5 10 15

Pro Phe Trp Trp Ile Pro Thr Asn Arg Ile Ser Phe Ile Ser Pro Ile
 20 25 30

Pro

<210> 866

<211> 9

<212> PRT

<213> Homo sapiens

<400> 866

Thr Met Ala Ser Met Gly Leu Gln Val
 1 5

<210> 867

<211> 167

<212> PRT

<213> Homo sapiens

<400> 867

Lys Ser Trp Met Met Leu Trp Ala Val Gln Asp Thr Gly Thr Ile Thr
 1 5 10 15

Ile Arg Pro Ala Asn Arg Asn Thr Thr Pro Ala Thr Ile Met Val Leu
 20 25 30

Ala Leu Ala Leu Ser Ser Ser Arg Gln Leu Val His Leu Pro Pro Thr

35

40

45

Thr Asp Ser Ser Thr Pro Arg Ala Ala Thr Met Met Leu Met Met Thr
50 55 60

Arg Ala Arg Ala Ala Cys Arg Ser Cys Gly Ser Ala Ser Ser Glu Ser
65 70 75 80

Tyr Thr Leu His Cys Ile Trp Pro Val Leu Cys Thr Thr Gln Phe Ile
85 90 95

His Arg Pro Ser Gln Met Val Cys Glu Val Thr Met Leu Leu Pro Met
100 105 110

Lys Ala Val Thr Arg His Met Gly Ser Ala Gln His Ser Met Thr Ala
115 120 125

Ser Gln Pro Arg Thr Ala Ser Ala Met Pro Ile Thr Cys Ser Pro Met
130 135 140

Glu Ala Ile Val Gln Arg Pro Arg Glu Leu Arg Thr Trp Lys Ala Glu
145 150 155 160

Gly Ile Arg Leu Trp Gly Pro
165

<210> 868

<211> 28

<212> PRT

<213> Homo sapiens

<400> 868

Leu Gln Val Met Gly Ile Ala Leu Ala Val Leu Gly Trp Leu Ala Val
1 5 10 15

Met Leu Cys Cys Ala Leu Pro Met Trp Arg Val Thr
20 25

<210> 869

<211> 22

<212> PRT

<213> Homo sapiens

<400> 869

Ser Asn Ile Val Thr Ser Gln Thr Ile Trp Glu Gly Leu Trp Met Asn
1 5 10 15

Cys Val Val Gln Ser Thr
20

<210> 870

<211> 18

<212> PRT

<213> Homo sapiens

<400> 870

Gln Met Gln Cys Lys Val Tyr Asp Ser Leu Leu Ala Leu Pro Gln Asp
 1 5 10 15

Leu Gln

<210> 871

<211> 18

<212> PRT

<213> Homo sapiens

<400> 871

Lys Cys Thr Asn Cys Leu Glu Asp Glu Ser Ala Lys Ala Lys Thr Met
 1 5 10 15

Ile Val

<210> 872

<211> 32

<212> PRT

<213> Homo sapiens

<400> 872

Gly Val Val Phe Leu Leu Ala Gly Leu Met Val Ile Val Pro Val Ser
 1 5 10 15

Trp Thr Ala His Asn Ile Ile Gln Asp Phe Tyr Asn Pro Leu Val Ala
 20 25 30

<210> 873

<211> 12

<212> PRT

<213> Homo sapiens

<400> 873

Cys Cys Asn Cys Pro Pro Arg Thr Asp Lys Pro Tyr
 1 5 10

<210> 874

<211> 14

<212> PRT

<213> Homo sapiens

<400> 874

Pro Phe Thr Ala Ile Ala Gly Ser Glu Ile Phe Ser Leu Glu
 1 5 10

<210> 875

<211> 11
 <212> PRT
 <213> Homo sapiens

<400> 875
 Ser Lys Thr Glu Ala Leu Thr Gln Ala Phe Arg
 1 5 10

<210> 876
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 876
 Val Val His Thr Val Ser Leu His Glu Ile Asp Val Ile Asn Ser Arg
 1 5 10 15

Thr Gln Gly Phe Leu Ala Leu Phe
 20

<210> 877
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 877
 Pro Gly Val Leu Phe Ile Asp Glu Val His Met Leu Asp Ile Glu
 1 5 10 15

<210> 878
 <211> 280
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (197)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 878
 Ala Gly Ile Arg Gln Arg Phe Ser Ala Arg Leu Trp Gln Leu Val Ser
 1 5 10 15

Ile Met Ala Thr Val Thr Ala Thr Thr Lys Val Pro Glu Ile Arg Asp
 20 25 30

Val Thr Arg Ile Glu Arg Ile Gly Ala His Ser His Ile Arg Gly Leu
 35 40 45

Gly Leu Asp Asp Ala Leu Glu Pro Arg Gln Ala Ser Gln Gly Met Val
 50 55 60

Gly Gln Leu Ala Ala Arg Arg Ala Ala Gly Val Val Leu Glu Met Ile
 65 70 75 80

Arg Glu Gly Lys Ile Ala Gly Arg Ala Val Leu Ile Ala Gly Gln Pro
85 90 95

Gly Thr Gly Lys Thr Ala Ile Ala Met Gly Met Ala Gln Ala Leu Gly
100 105 110

Pro Asp Thr Pro Phe Thr Ala Ile Ala Gly Ser Glu Ile Phe Ser Leu
115 120 125

Glu Met Ser Lys Thr Glu Ala Leu Thr Gln Ala Phe Arg Arg Ser Ile
130 135 140

Gly Val Arg Ile Lys Glu Glu Thr Glu Ile Ile Glu Gly Glu Val Val
145 150 155 160

Glu Ile Gln Ile Asp Arg Pro Ala Thr Gly Thr Gly Ser Lys Val Gly
165 170 175

Lys Leu Thr Leu Lys Thr Thr Glu Met Glu Thr Ile Tyr Asp Leu Gly
180 185 190

Thr Lys Met Ile Xaa Ser Leu Thr Lys Asp Lys Val Gln Ala Gly Asp
195 200 205

Val Ile Thr Ile Asp Lys Ala Thr Gly Lys Ile Ser Lys Leu Gly Arg
210 215 220

Ser Phe Thr Arg Ala Arg Glu Leu Arg Arg Tyr Gly Leu Pro Asp Gln
225 230 235 240

Val Arg Ala Val Pro Arg Trp Gly Ala Pro Glu Thr Gln Gly Gly Gly
245 250 255

Ala His Arg Val Pro Ala Arg Asp Arg Arg His Gln Leu Ser His Pro
260 265 270

Gly Leu Pro Gly Ala Leu Leu Arg
275 280

<210> 879

<211> 179

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (178)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 879

Ser Pro Ser Thr Arg Arg Arg Ala Arg Ser Pro Ser Trp Ala Ala Pro
1 5 10 15

Ser His Ala Pro Ala Asn Tyr Asp Ala Met Gly Ser Gln Thr Lys Phe
20 25 30

Val Gln Cys Pro Asp Gly Glu Leu Gln Lys Arg Lys Glu Val Val His

35 40 45
 Thr Val Ser Leu His Glu Ile Asp Val Ile Asn Ser Arg Thr Gln Gly
 50 55 60
 Phe Leu Ala Leu Phe Ser Gly Asp Thr Gly Glu Ile Lys Ser Glu Val
 65 70 75 80
 Arg Glu Gln Ile Asn Ala Lys Val Ala Glu Trp Arg Glu Glu Gly Lys
 85 90 95
 Ala Glu Ile Ile Pro Gly Val Leu Phe Ile Asp Glu Val His Met Leu
 100 105 110
 Asp Ile Glu Ser Phe Ser Phe Leu Asn Arg Ala Leu Glu Ser Asp Met
 115 120 125
 Ala Pro Val Gln Gln Val Tyr Gly Asp Ala Val Arg Ala Leu Val Ala
 130 135 140
 Gly Ala Pro Asp Ser Arg Asp Ala Thr Val Gly Gly Leu Val Pro Asn
 145 150 155 160
 Ser Cys Ser Pro Gly Asp Pro Leu Val Leu Glu Arg Pro Pro Pro Arg
 165 170 175
 Trp Xaa Ser

<210> 880
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 880
 Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Ala Thr Asn Arg Gly
 1 5 10 15
 Ile Thr Arg Ile Arg Gly Thr Ser Tyr Gln Ser Pro His Gly Ile Pro
 20 25 30
 Ile Asp Leu Leu Asp Arg Arg His Val Thr Leu Gln Gly Pro Val Glu
 35 40 45
 Glu Gly Glu Ala Leu Asp Val Gln His Val Asp Leu Val Asp Glu Gln
 50 55 60
 His Ser Arg Asp Asp Leu Arg Leu Ala Leu Leu Ala Pro Leu Ser His
 65 70 75 80
 Leu Gly Ile Asp Leu Leu Thr Asp Phe
 85

<210> 881
 <211> 30
 <212> PRT

<213> Homo sapiens

<400> 881

Tyr Asp Ala Met Gly Ser Gln Thr Lys Phe Val Gln Cys Pro Asp Gly
1 5 10 15

Glu Leu Gln Lys Arg Lys Glu Val Val His Thr Val Ser Leu
20 25 30

<210> 882

<211> 31

<212> PRT

<213> Homo sapiens

<400> 882

Lys Ala Glu Ile Ile Pro Gly Val Leu Phe Ile Asp Glu Val His Met
1 5 10 15

Leu Asp Ile Glu Ser Phe Ser Phe Leu Asn Arg Ala Leu Glu Ser
20 25 30

<210> 883

<211> 28

<212> PRT

<213> Homo sapiens

<400> 883

Glu Ala Thr Asn Arg Gly Ile Thr Arg Ile Arg Gly Thr Ser Tyr Gln
1 5 10 15

Ser Pro His Gly Ile Pro Ile Asp Leu Leu Asp Arg
20 25

<210> 884

<211> 22

<212> PRT

<213> Homo sapiens

<400> 884

Met Arg Ser Ala Arg Pro Ser Leu Gly Cys Leu Pro Ser Trp Ala Phe
1 5 10 15

Ser Gln Ala Leu Asn Ile
20

<210> 885

<211> 22

<212> PRT

<213> Homo sapiens

<400> 885

Leu Leu Gly Leu Lys Gly Leu Ala Pro Ala Glu Ile Ser Ala Val Cys
1 5 10 15

Glu Lys Gly Asn Phe Asn
20

<210> 886
<211> 26
<212> PRT
<213> Homo sapiens

<400> 886
Val Ala His Gly Leu Ala Trp Ser Tyr Tyr Ile Gly Tyr Leu Arg Leu
1 5 10 15

Ile Leu Pro Glu Leu Gln Ala Arg Ile Arg
20 25

<210> 887
<211> 18
<212> PRT
<213> Homo sapiens

<400> 887
Thr Tyr Asn Gln His Tyr Asn Asn Leu Leu Arg Gly Ala Val Ser Gln
1 5 10 15

Arg Cys

<210> 888
<211> 43
<212> PRT
<213> Homo sapiens

<400> 888
Ile Leu Leu Pro Leu Asp Cys Gly Val Pro Asp Asn Leu Ser Met Ala
1 5 10 15

Asp Pro Asn Ile Arg Phe Leu Asp Lys Leu Pro Gln Gln Thr Gly Asp
20 25 30

Arg Ala Gly Ile Lys Asp Arg Val Tyr Ser Asn
35 40

<210> 889
<211> 45
<212> PRT
<213> Homo sapiens

<400> 899
Ser Ile Tyr Glu Leu Leu Glu Asn Gly Gln Arg Ala Gly Thr Cys Val
1 5 10 15

Leu Glu Tyr Ala Thr Pro Leu Gln Thr Leu Phe Ala Met Ser Gln Tyr
20 25 30

Ser Gln Ala Gly Phe Ser Gly Glu Asp Arg Leu Glu Gln
 35 40 45

<210> 890
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 890
 Ala Lys Leu Phe Cys Arg Thr Leu Glu Asp Ile Leu Ala Asp Ala Pro
 1 5 10 15

Glu Ser Gln Asn Asn Cys Arg Leu Ile Ala Tyr Gln Glu Pro Ala Asp
 20 25 30

Asp Ser Ser Phe Ser Leu Ser Gln Glu Val Leu Arg His Leu Arg Gln
 35 40 45

Glu Glu Lys Glu Glu Val Thr Val Gly Ser Leu Lys Thr Ser Ala Val
 50 55 60

Pro Ser Thr Ser Thr Met Ser Gln Glu Pro Glu Leu Leu Ile Ser Gly
 65 70 75 80

Met Glu Lys Pro Leu Pro Leu Arg Thr Asp Phe Ser
 85 90

<210> 891
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 891
 Leu Leu Gly Leu Lys Gly Leu Ala Pro Ala Glu Ile Ser Ala Val Cys
 1 5 10 15

Glu Lys Gly Asn Phe Asn Val Ala His Gly Leu Ala Trp Ser Tyr Tyr
 20 25 30

Ile Gly Tyr Leu Arg Leu Ile Leu Pro Glu Leu
 35 40

<210> 892
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 892
 Leu Arg Leu His Ser Glu Lys Leu Pro Leu Ala Ala Arg Ser Ala Gly
 1 5 10 15

Pro Ser Leu Leu Val Ile Ile Gln Ser Ser Gln Cys Pro Gly Gly Arg
 20 25 30

Arg Tyr Arg Gly Ser Tyr Trp Arg Thr Val Arg Ala Cys Leu Gly Cys

35

40

45

Pro Leu Arg Arg Gly Ala Leu Leu Leu Leu Ser Ile Tyr Phe Tyr Tyr
 50 55 60

Ser Leu Pro Asn Ala Val Gly Pro Pro Phe Thr Trp
 65 70 75

<210> 893

<211> 133

<212> PRT

<213> Homo sapiens

<400> 893

Val Trp Leu Thr Pro Thr Phe Ala Ser Trp Ile Asn Cys Pro Ser Arg
 1 5 10 15

Pro Val Thr Val Leu Ala Ser Arg Ile Gly Phe Thr Ala Thr Ala Ser
 20 25 30

Met Ser Phe Trp Arg Thr Gly Ser Gly Arg Ala Pro Val Ser Trp Ser
 35 40 45

Thr Pro Pro Pro Cys Arg Leu Cys Leu Pro Cys His Asn Thr Val Lys
 50 55 60

Leu Ala Leu Ala Gly Arg Ile Gly Leu Ser Arg Pro Asn Ser Ser Ala
 65 70 75 80

Gly His Leu Arg Thr Ser Trp Gln Met Pro Leu Ser Leu Arg Thr Thr
 85 90 95

Ala Ala Ser Leu Pro Thr Arg Asn Leu Gln Met Thr Ala Ala Ser Arg
 100 105 110

Cys Pro Arg Arg Phe Ser Gly Thr Cys Gly Arg Arg Lys Arg Lys Arg
 115 120 125

Leu Leu Trp Ala Ala
 130

<210> 894

<211> 87

<212> PRT

<213> Homo sapiens

<400> 894

Gly Val Cys Gln Val Ser Phe Met Gly Pro Ser Arg Pro Thr Pro His
 1 5 10 15

Pro Ser Pro Leu Pro Leu Pro Gly Asp Ala Glu Leu Ser Gln Trp Tyr
 20 25 30

Gln Gln Ala Pro Ser Pro Ser Gly Ser Trp Ser Cys Ser Ile Ile Gly
 35 40 45

Glu Pro Gln Gln Lys Asn Gly Glu Glu Glu Glu Ala Glu Phe Gly Val
 50 55 60

Leu Asn Pro Pro Ala Pro Thr Leu Gln His Gln Gly Cys Tyr Gly Leu
 65 70 75 80

Ser Cys Arg Ala Thr Leu Ala
 85

<210> 895

<211> 22

<212> PRT

<213> Homo sapiens

<400> 895

Thr Met Lys Leu Leu Lys Leu Arg Arg Asn Ile Val Lys Leu Ser Leu
 1 5 10 15

Tyr Arg His Phe Thr Asn
 20

<210> 896

<211> 22

<212> PRT

<213> Homo sapiens

<400> 896

Thr Leu Ile Leu Ala Val Ala Ala Ser Ile Val Phe Ile Ile Trp Thr
 1 5 10 15

Thr Met Lys Phe Arg Ile
 20

<210> 897

<211> 28

<212> PRT

<213> Homo sapiens

<400> 897

Val Thr Cys Gln Ser Asp Trp Arg Glu Leu Trp Val Asp Asp Ala Ile
 1 5 10 15

Trp Arg Leu Leu Phe Ser Met Ile Leu Phe Val Ile
 20 25

<210> 898

<211> 27

<212> PRT

<213> Homo sapiens

<400> 898

Met Val Leu Trp Arg Pro Ser Ala Asn Asn Gln Arg Phe Ala Phe Ser
 1 5 10 15

Pro Leu Ser Glu Glu Glu Glu Asp Glu Gln
 20 25

<210> 899
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 899
 Met Val Leu Trp Arg Pro Ser Ala Asn Asn Gln Arg Phe Ala Phe Ser
 1 5 10 15

Pro Leu Ser Glu Glu Glu Glu Asp Glu Gln
 20 25

<210> 900
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 900
 Lys Glu Pro Met Leu Lys Glu Ser Phe Glu Gly Met Lys Met Arg Ser
 1 5 10 15

Thr Lys Gln Glu Pro Asn Gly Asn Ser Lys Val Asn Lys Ala Gln Glu
 20 25 30

Asp Asp Leu
 35

<210> 901
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 901
 Lys Trp Val Glu Glu Asn Val Pro Ser Ser Val Thr Asp Val Ala Leu
 1 5 10 15

Pro Ala Leu Leu Asp Ser Asp Glu Glu Arg Met Ile Thr His Phe Glu
 20 25 30

Arg Ser Lys Met Glu
 35

<210> 902
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 902
 Asp Pro Arg Val Arg Leu Asn Ser Leu Thr Cys Lys His Ile Phe Ile
 1 5 10 15

Ser Leu Thr Gln
20

<210> 903
<211> 11
<212> PRT
<213> Homo sapiens

<400> 903
Asn Ala Phe Gly Arg His Ser Thr Ala Val Lys
1 5 10

<210> 904
<211> 283
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 904
Glu Ser Cys Leu Leu Cys Gly Ile Ser Glu Tyr Pro Ile Gln Arg Xaa
1 5 10 15

Ile Cys Pro Gly Cys Phe Asp Pro Cys Arg Xaa Ala Phe Ser Ser Glu
20 25 30

Thr Leu Thr Gly Ser Asn Pro Gly His His Ser Gln Ser Gly Ile Trp
35 40 45

His Arg Gln Ala Thr Pro Gly Val Thr Leu His Lys Val Val Val Ala
50 55 60

Xaa Ala Leu Tyr Leu Leu Phe Ser Gly Met Glu Gly Val Leu Arg Val
65 70 75 80

Thr Gly Ala Gln Thr Asp Leu Ala Ser Leu Ala Phe Ile Pro Leu Ala
85 90 95

Phe Leu Asp Thr Ala Leu Cys Trp Trp Ile Phe Ile Ser Leu Thr Gln
100 105 110

Thr Met Lys Leu Leu Lys Leu Arg Arg Asn Ile Val Lys Leu Ser Leu
115 120 125

Tyr Arg His Phe Thr Asn Thr Leu Ile Leu Ala Val Ala Ala Ser Ile
130 135 140

Val Phe Ile Ile Trp Thr Thr Met Lys Phe Arg Ile Val Thr Cys Gln
145 150 155 160

Ser Asp Trp Arg Glu Leu Trp Val Asp Asp Ala Ile Trp Arg Leu Leu
165 170 175

Phe Ser Met Ile Leu Phe Val Ile Met Val Leu Trp Arg Pro Ser Ala
180 185 190

Asn Asn Gln Arg Phe Ala Phe Ser Pro Leu Ser Glu Glu Glu Glu
195 200 205

Asp Glu Gln Lys Glu Pro Met Leu Lys Glu Ser Phe Glu Gly Met Lys
210 215 220

Met Arg Ser Thr Lys Gln Glu Pro Asn Gly Asn Ser Lys Val Asn Lys
225 230 235 240

Ala Gln Glu Asp Asp Leu Lys Trp Val Glu Glu Asn Val Pro Ser Ser
245 250 255

Val Thr Asp Val Ala Leu Pro Ala Leu Leu Asp Ser Asp Glu Glu Arg
260 265 270

Met Ile Thr His Phe Glu Arg Ser Lys Met Glu
275 280

<210> 905

<211> 13

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 905

Tyr Glu Pro Met Asp Phe Xaa Met Ala Leu Ile Tyr Asp
1 5 10

<210> 906

<211> 16

<212> PRT

<213> Homo sapiens

<400> 906

Ile Arg His Glu Leu Thr Val Leu Arg Asp Thr Arg Pro Ala Cys Ala
1 5 10 15

<210> 907
 <211> 10
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 907
 Met Asp Phe Xaa Met Ala Leu Ile Tyr Asp
 1 5 10

<210> 908
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 908
 Met Gln Glu Met Met Arg Asn Gln Asp Arg Ala Leu Ser Asn Leu Glu
 1 5 10 15

Ser Ile Pro Gly Gly Tyr Asn Ala
 20

<210> 909
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 909
 Leu Arg Arg Met Tyr Thr Asp Ile Gln Glu Pro Met Leu Ser Ala Ala
 1 5 10 15

Gln Glu Gln Phe Gly Gly Asn Pro Phe
 20 25

<210> 910
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 910
 Ala Ser Leu Val Ser Asn Thr Ser Ser Gly Glu Gly Ser Gln Pro Ser
 1 5 10 15

Arg Thr Glu Asn Arg Asp Pro Leu Pro Asn Pro Trp Ala Pro Gln Thr
 20 25 30

<210> 911
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 911
 Ser Gln Ser Ser Ser Ala Ser Ser Gly Thr Ala Ser Thr Val Gly Gly
 1 5 10 15
 Thr Thr Gly Ser Thr Ala Ser Gly Thr Ser Gly Gln Ser Thr Thr Ala
 20 25 30
 Pro Asn Leu Val Pro Gly Val Gly Ala Ser Met Phe Asn Thr Pro Gly
 35 40 45
 Met Gln Ser Leu Leu Gln Gln Ile Thr Glu Asn Pro Gln Leu Met Gln
 50 55 60
 Asn Met Leu Ser Ala Pro Tyr
 65 70

<210> 912
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 912
 Met Arg Ser Met Met Gln Ser Leu Ser Gln Asn Pro Asp Leu Ala Ala
 1 5 10 15
 Gln Met Met Leu Asn Asn Pro Leu Phe Ala Gly Asn Pro Gln Leu Gln
 20 25 30
 Glu Gln Met Arg Gln Gln Leu Pro Thr Phe Leu Gln Gln
 35 40 45

<210> 913
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 913
 Met Gln Asn Pro Asp Thr Leu Ser Ala Met Ser Asn Pro Arg Ala Met
 1 5 10 15
 Gln Ala Leu Leu Gln Ile Gln Gln Gly Leu Gln Thr Leu Ala Thr Glu
 20 25 30
 Ala Pro Gly Leu Ile Pro Gly Phe Thr Pro Gly Leu Gly Ala Leu Gly
 35 40 45
 Ser Thr Gly Gly Ser Ser Gly Thr Asn Gly Ser Asn Ala Thr Pro Ser
 50 55 60
 Glu Asn Thr Ser Pro Thr Ala Gly Thr

65

70

<210> 914

<211> 72

<212> PRT

<213> Homo sapiens

<400> 914

Thr Glu Pro Gly His Gln Gln Phe Ile Gln Gln Met Leu Gln Ala Leu
 1 5 10 15

Ala Gly Val Asn Pro Gln Leu Gln Asn Pro Glu Val Arg Phe Gln Gln
 20 25 30

Gln Leu Glu Gln Leu Ser Ala Met Gly Phe Leu Asn Arg Glu Ala Asn
 35 40 45

Leu Gln Ala Leu Ile Ala Thr Gly Gly Asp Ile Asn Ala Ala Ile Glu
 50 55 60

Arg Leu Leu Gly Ser Gln Pro Ser
 65 70

<210> 915

<211> 45

<212> PRT

<213> Homo sapiens

<400> 915

Arg Asn Pro Ala Met Met Gln Glu Met Met Arg Asn Gln Asp Arg Ala
 1 5 10 15

Leu Ser Asn Leu Glu Ser Ile Pro Gly Gly Tyr Asn Ala Leu Arg Arg
 20 25 30

Met Tyr Thr Asp Ile Gln Glu Pro Met Leu Ser Ala Ala
 35 40 45

<210> 916

<211> 13

<212> PRT

<213> Homo sapiens

<400> 916

Gly Asn Pro Phe Ala Ser Leu Val Ser Asn Thr Ser Ser
 1 5 10

<210> 917

<211> 11

<212> PRT

<213> Homo sapiens

<400> 917

Glu Asn Arg Asp Pro Leu Pro Asn Pro Trp Ala

65

70

<210> 914

<211> 72

<212> PRT

<213> Homo sapiens

<400> 914

Thr Glu Pro Gly His Gln Gln Phe Ile Gln Gln Met Leu Gln Ala Leu
 1 5 10 15

Ala Gly Val Asn Pro Gln Leu Gln Asn Pro Glu Val Arg Phe Gln Gln
 20 25 30

Gln Leu Glu Gln Leu Ser Ala Met Gly Phe Leu Asn Arg Glu Ala Asn
 35 40 45

Leu Gln Ala Leu Ile Ala Thr Gly Gly Asp Ile Asn Ala Ala Ile Glu
 50 55 60

Arg Leu Leu Gly Ser Gln Pro Ser
 65 70

<210> 915

<211> 45

<212> PRT

<213> Homo sapiens

<400> 915

Arg Asn Pro Ala Met Met Gln Glu Met Met Arg Asn Gln Asp Arg Ala
 1 5 10 15

Leu Ser Asn Leu Glu Ser Ile Pro Gly Gly Tyr Asn Ala Leu Arg Arg
 20 25 30

Met Tyr Thr Asp Ile Gln Glu Pro Met Leu Ser Ala Ala
 35 40 45

<210> 916

<211> 13

<212> PRT

<213> Homo sapiens

<400> 916

Gly Asn Pro Phe Ala Ser Leu Val Ser Asn Thr Ser Ser
 1 5 10

<210> 917

<211> 11

<212> PRT

<213> Homo sapiens

<400> 917

Glu Asn Arg Asp Pro Leu Pro Asn Pro Trp Ala

1 5 10

<210> 918
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 918
 Gly Lys Ile Leu Lys Asp Gln Asp Thr Leu Ser Gln His Gly Ile His
 1 5 10 15

Asp

<210> 919
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 919
 Gly Leu Thr Val His Leu Val Ile Lys Thr Gln Asn Arg Pro
 1 5 10

<210> 920
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 920
 Ser Glu Leu Gln Ser Gln Met Gln Arg Gln Leu Leu Ser Asn Pro Glu
 1 5 10 15

Met Met

<210> 921
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 921
 Pro Glu Ile Ser His Met Leu Asn Asn Pro Asp Ile Met Arg
 1 5 10

<210> 922
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 922
 Arg Gln Leu Ile Met Ala Asn Pro Gln Met Gln Gln Leu Ile Gln Arg
 1 5 10 15

Asn Pro

<210> 923

<211> 27

<212> PRT

<213> Homo sapiens

<400> 923

Asn Leu Cys His Val Asp Cys Gln Asp Leu Leu Asn Pro Asn Leu Leu
 1 5 10 15

Ala Gly Ile His Cys Ala Lys Arg Ile Val Ser
 20 25

<210> 924

<211> 23

<212> PRT

<213> Homo sapiens

<400> 924

Leu Asp Gly Phe Glu Gly Tyr Ser Leu Ser Asp Trp Leu Cys Leu Ala
 1 5 10 15

Phe Val Glu Ser Lys Phe Asn
 20

<210> 925

<211> 22

<212> PRT

<213> Homo sapiens

<400> 925

Asn Glu Asn Ala Asp Gly Ser Phe Asp Tyr Gly Leu Phe Gln Ile Asn
 1 5 10 15

Ser His Tyr Trp Cys Asn
 20

<210> 926

<211> 27

<212> PRT

<213> Homo sapiens

<400> 926

Asn Leu Cys His Val Asp Cys Gln Asp Leu Leu Asn Pro Asn Leu Leu
 1 5 10 15

Ala Gly Ile His Cys Ala Lys Arg Ile Val Ser
 20 25

<210> 927

<211> 13

<212> PRT

<213> Homo sapiens

<400> 927

Glu Pro Ser Ala Leu Ser Cys Thr Ser Ser Pro Pro Arg
 1 5 10

<210> 928

<211> 13

<212> PRT

<213> Homo sapiens

<400> 928

Ile Arg Glu Val Asn Glu Val Ile Gln Asn Pro Ala Thr
 1 5 10

<210> 929

<211> 30

<212> PRT

<213> Homo sapiens

<400> 929

Ile Thr Arg Ile Leu Leu Ser His Phe Asn Trp Asp Lys Glu Lys Leu
 1 5 10 15

Met Glu Arg Tyr Phe Asp Gly Asn Leu Glu Lys Leu Phe Ala
 20 25 30

<210> 930

<211> 23

<212> PRT

<213> Homo sapiens

<400> 930

Asn Thr Arg Ser Ser Ala Gln Asp Met Pro Cys Gln Ile Cys Tyr Leu
 1 5 10 15

Asn Tyr Pro Asn Ser Tyr Phe
 20

<210> 931

<211> 60

<212> PRT

<213> Homo sapiens

<400> 931

Cys Asp Ile Leu Val Asp Asp Asn Thr Val Met Arg Leu Ile Thr Asp
 1 5 10 15

Ser Lys Val Lys Leu Lys Tyr Gln His Leu Ile Thr Asn Ser Phe Val
 20 25 30

Glu Cys Asn Arg Leu Leu Lys Trp Cys Pro Ala Pro Asp Cys His His
 35 40 45

Val Val Lys Val Gln Tyr Pro Asp Ala Lys Pro Val
 50 55 60

<210> 932
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 932
 Cys Asp Ile Leu Val Asp Asp Asn Thr Val Met Arg Leu Ile Thr Asp
 1 5 10 15

Ser Lys Val Lys Leu Lys Tyr Gln His Leu Ile Thr Asn Ser Phe Val
 20 25 30

Glu Cys Asn Arg Leu Leu Lys Trp Cys Pro Ala Pro Asp Cys His His
 35 40 45

Val Val Lys Val
 50

<210> 933
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 933
 Gly Cys Asn His Met Val Cys Arg Asn Gln Asn Cys Lys Ala Glu Phe
 1 5 10 15

Cys Trp Val Cys Leu Gly Pro Trp Glu Pro His Gly Ser Ala Trp Tyr
 20 25 30

Asn Cys Asn Arg Tyr Asn Glu Asp Asp Ala Lys Ala Ala Arg Asp Ala
 35 40 45

Gln Glu Arg Ser Arg Ala Ala Leu Gln Arg Tyr Leu
 50 55 60

<210> 934
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 934
 Phe Tyr Cys Asn Arg Tyr Met Asn His Met Gln Ser Leu Arg Phe Glu
 1 5 10 15

His Lys Leu Tyr Ala Gln Val Lys Gln Lys Met Glu Glu Met Gln Gln
 20 25 30

His Asn Met Ser Trp Ile Glu Val Gln Phe Leu Lys Lys Ala Val Asp
 35 40 45

Val Leu Cys Gln Cys Arg Ala Thr Leu Met Tyr Thr
 50 55 60

<210> 935
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 935
 Tyr Val Phe Ala Phe Tyr Leu Lys Lys Asn Asn Gln Ser Ile Ile Phe
 1 5 10 15

Glu Asn Asn Gln Ala Asp Leu Glu Asn Ala Thr Glu Val Leu Ser Gly
 20 25 30

Tyr Leu Glu Arg Asp Ile Ser Gln Asp Ser Leu Gln Asp Ile Lys Gln
 35 40 45

Lys Val Gln Asp Lys Tyr Arg Tyr Cys Glu Ser Arg
 50 55 60

<210> 936
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 936
 Thr Gly Leu Glu Cys Gly His Lys Phe Cys Met Gln Cys Trp Ser Glu
 1 5 10 15

Tyr Leu Thr Thr Lys Ile Met Glu Glu Gly Met Gly Gln Thr Ile Ser
 20 25 30

Cys Pro Ala His Gly
 35

<210> 937
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 937
 Met Trp Gly Tyr Leu Phe Val Asp Ala Ala Trp Asn Phe Leu Gly Cys
 1 5 10 15

Leu Ile Cys Gly Trp
 20

<210> 938
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 938

Met His Phe Ile Ser Ser Gly Asn Val Ser Ala Ile Arg Ser Ser Ile
1 5 10 15

Leu Leu Leu Arg Xaa Ser Leu Ser Tyr Leu Gly Asn Cys Leu Arg Val
20 25 30

Ser Ala Ile Phe Val Tyr Phe Leu Leu Phe Leu Leu Leu Ser
35 40 45

<210> 939

<211> 80

<212> PRT

<213> Homo sapiens

<400> 939

Met Asp Gln Ala Leu Arg Gly Ser Pro Ser Glu Gly Phe Ser Thr Asp
1 5 10 15

Pro Ser Pro Pro Gln Val Gly Arg Gln Ile Pro Ser Phe Pro Pro Trp
20 25 30

Arg Arg Leu Val Leu Pro Lys Ala Ser Gly Cys Phe Leu Glu Arg Glu
35 40 45

Trp Trp Leu Cys Val Phe Lys Leu Arg Thr Arg Pro Gly Ala Glu Ala
50 55 60

His Ala Tyr Asn Ser Ser Ile Leu Gly Gly Arg Gly Lys Gly Ile Thr
65 70 75 80

<210> 940

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 940

Met Leu Pro Ala Leu Ala Ser Cys Cys His Phe Ser Pro Pro Glu Gln
1 5 10 15

Ala Ala Arg Leu Lys Lys Leu Gln Glu Gln Glu Lys Gln Gln Lys Val
20 25 30

Glu Phe Arg Lys Arg Met Glu Lys Glu Val Ser Asp Phe Ile Gln Asp

35

40

45

Ser Gly Gln Ile Lys Lys Lys Phe Gln Pro Met Asn Lys Ile Glu Arg
50 55 60

Ser Ile Leu His Asp Val Val Glu Val Ala Gly Leu Thr Ser Phe Ser
65 70 75 80

Phe Gly Glu Asp Asp Asp Cys Arg Tyr Val Met Ile Phe Lys Lys Glu
85 90 95

Phe Ala Pro Ser Asp Glu Glu Leu Asp Ser Tyr Arg Arg Gly Glu Glu
100 105 110

Trp Asp Pro Gln Lys Ala Glu Glu Lys Arg Asn Xaa Lys Glu Leu Ala
115 120 125

Gln Arg Gln
130

<210> 941

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 941

Glu Glu Glu Ala Ala Gln Gln Gly Pro Val Val Val Ser Pro Ala Ser
1 5 10 15

Asp Tyr Lys Asp Lys Tyr Ser His Leu Ile Gly Lys Gly Ala Ala Lys
20 25 30

Asp Ala Ala His Met Leu Gln Ala Asn Lys Thr Tyr Gly Cys Xaa Pro
35 40 45

Val Ala Asn Lys Arg Asp Thr Arg Ser Ile Glu Glu Ala Met Asn Glu
50 55 60

Ile Arg Ala Lys Lys Arg Leu Arg Gln Ser Gly Glu
65 70 75

<210> 942

<211> 40

<212> PRT

<213> Homo sapiens

<400> 942

Pro Pro Arg Arg Pro Ala Gln Leu Pro Leu Thr Pro Gly Ala Gly Gln
1 5 10 15

Gly Ala Gly Arg Asp Lys Ala Ala Ala Ile Arg Ala His Pro Gly Ala

20

25

30

Pro Pro Leu Asn His Leu Leu Pro
35 40

<210> 943

<211> 28

<212> PRT

<213> Homo sapiens

<400> 943

Ala Val Pro Gln Ala Gly Gly Lys Gln Val Phe Asp Leu Ser Pro Leu
1 5 10 15

Glu Leu Gly Tyr Val Arg Gly Met Cys Val Cys Val
20 25

<210> 944

<211> 207

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (178)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 944

Met Leu Pro Ala Leu Ala Ser Cys Cys His Phe Ser Pro Pro Glu Gln
1 5 10 15

Ala Ala Arg Leu Lys Lys Leu Gln Glu Gln Glu Lys Gln Gln Lys Val
20 25 30

Glu Phe Arg Lys Arg Met Glu Lys Glu Val Ser Asp Phe Ile Gln Asp
35 40 45

Ser Gly Gln Ile Lys Lys Lys Phe Gln Pro Met Asn Lys Ile Glu Arg
50 55 60

Ser Ile Leu His Asp Val Val Glu Val Ala Gly Leu Thr Ser Phe Ser
65 70 75 80

Phe Gly Glu Asp Asp Asp Cys Arg Tyr Val Met Ile Phe Lys Lys Glu
85 90 95

Phe Ala Pro Ser Asp Glu Glu Leu Asp Ser Tyr Arg Arg Gly Glu Glu
100 105 110

Trp Asp Pro Gln Lys Ala Glu Glu Lys Arg Asn Xaa Lys Glu Leu Ala
115 120 125

Gln Arg Gln Glu Glu Glu Ala Ala Gln Gln Gly Pro Val Val Val Ser
130 135 140

Pro Ala Ser Asp Tyr Lys Asp Lys Tyr Ser His Leu Ile Gly Lys Gly
145 150 155 160

Ala Ala Lys Asp Ala Ala His Met Leu Gln Ala Asn Lys Thr Tyr Gly
165 170 175

Cys Xaa Pro Val Ala Asn Lys Arg Asp Thr Arg Ser Ile Glu Glu Ala
180 185 190

Met Asn Glu Ile Arg Ala Lys Lys Arg Leu Arg Gln Ser Gly Glu
195 200 205

<210> 945

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 945

Leu Leu Cys Pro Val Leu Asn Ser Gly Xaa Ser Trp Asn Phe Pro His
1 5 10 15

Pro Ser Gln Pro Glu Tyr Ser Phe His Gly Phe His Ser Thr Arg Leu
20 25 30

Trp Ile

<210> 946

<211> 28

<212> PRT

<213> Homo sapiens

<400> 946

Pro Ser Thr Pro Trp Phe Leu Phe Leu Leu Gly Leu Thr Cys Pro Phe
1 5 10 15

Ser Thr Ser His Pro Arg Trp Asp Ser Ile Pro Pro
20 25

<210> 947

<211> 227

<212> PRT

<213> Homo sapiens

<400> 947

Glu Leu Ser Ile Ser Ile Ser Asn Val Ala Leu Ala Asp Glu Gly Glu

1	5	10	15
Tyr Thr Cys Ser Ile Phe Thr Met Pro Val Arg Thr Ala Lys Ser Leu	20	25	30
Val Thr Val Leu Gly Ile Pro Gln Lys Pro Ile Ile Thr Gly Tyr Lys	35	40	45
Ser Ser Leu Arg Glu Lys Asp Thr Ala Thr Leu Asn Cys Gln Ser Ser	50	55	60
Gly Ser Lys Pro Ala Ala Arg Leu Thr Trp Arg Lys Gly Asp Gln Glu	65	70	75
Leu His Gly Glu Pro Thr Arg Ile Gln Glu Asp Pro Asn Gly Lys Thr	85	90	95
Phe Thr Val Ser Ser Ser Val Thr Phe Gln Val Thr Arg Glu Asp Asp	100	105	110
Gly Ala Ser Ile Val Cys Ser Val Asn His Glu Ser Leu Lys Gly Ala	115	120	125
Asp Arg Ser Thr Ser Gln Arg Ile Glu Val Leu Tyr Thr Pro Thr Ala	130	135	140
Met Ile Arg Pro Asp Pro Pro His Pro Arg Glu Gly Gln Lys Leu Leu	145	150	155
Leu His Cys Glu Gly Arg Gly Asn Pro Val Pro Gln Gln Tyr Leu Trp	165	170	175
Glu Lys Glu Gly Ser Val Pro Pro Leu Lys Met Thr Gln Glu Ser Ala	180	185	190
Leu Ile Phe Pro Phe Leu Asn Lys Ser Asp Ser Gly Thr Tyr Gly Cys	195	200	205
Thr Ala Thr Ser Asn Met Gly Ser Tyr Lys Ala Tyr Tyr Thr Leu Asn	210	215	220
Val Asn Asp	225		

<210> 948

<211> 64

<212> PRT

<213> Homo sapiens

<400> 948

Glu Leu Ser Ile Ser Ile Ser Asn Val Ala Leu Ala Asp Glu Gly Glu	1	5	10	15
---	---	---	----	----

Tyr Thr Cys Ser Ile Phe Thr Met Pro Val Arg Thr Ala Lys Ser Leu	20	25	30
---	----	----	----

Val Thr Val Leu Gly Ile Pro Gln Lys Pro Ile Ile Thr Gly Tyr Lys			
---	--	--	--

35

40

45

Ser Ser Leu Arg Glu Lys Asp Thr Ala Thr Leu Asn Cys Gln Ser Ser
 50 55 60

<210> 949

<211> 65

<212> PRT

<213> Homo sapiens

<400> 949

Cys Gln Ser Ser Gly Ser Lys Pro Ala Ala Arg Leu Thr Trp Arg Lys
 1 5 10 15

Gly Asp Gln Glu Leu His Gly Glu Pro Thr Arg Ile Gln Glu Asp Pro
 20 25 30

Asn Gly Lys Thr Phe Thr Val Ser Ser Ser Val Thr Phe Gln Val Thr
 35 40 45

Arg Glu Asp Asp Gly Ala Ser Ile Val Cys Ser Val Asn His Glu Ser
 50 55 60

Leu
 65

<210> 950

<211> 58

<212> PRT

<213> Homo sapiens

<400> 950

His Glu Ser Leu Lys Gly Ala Asp Arg Ser Thr Ser Gln Arg Ile Glu
 1 5 10 15

Val Leu Tyr Thr Pro Thr Ala Met Ile Arg Pro Asp Pro Pro His Pro
 20 25 30

Arg Glu Gly Gln Lys Leu Leu Leu His Cys Glu Gly Arg Gly Asn Pro
 35 40 45

Val Pro Gln Gln Tyr Leu Trp Glu Lys Glu
 50 55

<210> 951

<211> 52

<212> PRT

<213> Homo sapiens

<400> 951

Trp Glu Lys Glu Gly Ser Val Pro Pro Leu Lys Met Thr Gln Glu Ser
 1 5 10 15

Ala Leu Ile Phe Pro Phe Leu Asn Lys Ser Asp Ser Gly Thr Tyr Gly
20 25 30

Cys Thr Ala Thr Ser Asn Met Gly Ser Tyr Lys Ala Tyr Tyr Thr Leu
35 40 45

Asn Val Asn Asp
50

<210> 952
<211> 36
<212> PRT
<213> Homo sapiens

<400> 952
Pro Ser Pro Val Pro Ser Ser Ser Ser Thr Tyr His Ala Ile Ile Gly
1 5 10 15

Gly Ile Val Ala Phe Ile Val Phe Leu Leu Leu Ile Met Leu Ile Phe
20 25 30

Leu Gly His Tyr
35

<210> 953
<211> 44
<212> PRT
<213> Homo sapiens

<400> 953
Leu Ile Arg His Lys Gly Thr Tyr Leu Thr His Glu Ala Lys Gly Ser
1 5 10 15

Asp Asp Ala Pro Asp Ala Asp Thr Ala Ile Ile Asn Ala Glu Gly Gly
20 25 30

Gln Ser Gly Gly Asp Asp Lys Lys Glu Tyr Phe Ile
35 40

<210> 954
<211> 123
<212> PRT
<213> Homo sapiens

<400> 954
Val Pro Glu Leu Pro Asp Arg Val His Gln Leu His Gln Ala Val Gln
1 5 10 15

Gly Cys Ala Leu Gly Arg Pro Gly Phe Pro Gly Gly Pro Thr His Ser
20 25 30

Gly His His Lys Ser His Pro Gly Pro Ala Gly Gly Asp Tyr Asn Arg
35 40 45

Cys Asp Arg Pro Gly Gln Val His Leu His Asn Pro Arg Gly Thr Gly
50 55 60

Arg Arg Gly Gln Leu His Pro Thr Ala Gly Pro Gly Val His Arg Arg
65 70 75 80

Ala Cys Pro Ser Gln Gln Leu Pro His Arg Leu Gly Pro Gly Val Pro
85 90 95

Cys Pro Ser Pro Ser Leu Thr Pro Val Leu Pro Ser Trp Thr Gln Ser
100 105 110

Trp Cys Gly Leu Pro Gly Tyr Thr Ser Ser Ser
115 120

<210> 955

<211> 22

<212> PRT

<213> Homo sapiens

<400> 955

Val His Gln Leu His Gln Ala Val Gln Gly Cys Ala Leu Gly Arg Pro
1 5 10 15

Gly Phe Pro Gly Gly Pro
20

<210> 956

<211> 42

<212> PRT

<213> Homo sapiens

<400> 956

Pro Thr His Ser Gly His His Lys Ser His Pro Gly Pro Ala Gly Gly
1 5 10 15

Asp Tyr Asn Arg Cys Asp Arg Pro Gly Gln Val His Leu His Asn Pro
20 25 30

Arg Gly Thr Gly Arg Arg Gly Gln Leu His
35 40

<210> 957

<211> 55

<212> PRT

<213> Homo sapiens

<400> 957

Leu His Pro Thr Ala Gly Pro Gly Val His Arg Arg Ala Cys Pro Ser
1 5 10 15

Gln Gln Leu Pro His Arg Leu Gly Pro Gly Val Pro Cys Pro Ser Pro
20 25 30

Ser Leu Thr Pro Val Leu Pro Ser Trp Thr Gln Ser Trp Cys Gly Leu

35

40

45

Pro Gly Tyr Thr Ser Ser Ser
50 55

<210> 958

<211> 276

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 958

Ser Leu Arg Arg Pro Arg Ser Ala Ala Xaa Gln Thr Leu Thr Thr Phe
1 5 10 15

Leu Ser Ser Val Ser Ser Ala Ser Ser Ser Ala Leu Pro Gly Ser Arg
20 25 30

Glu Pro Cys Asp Pro Arg Ala Pro Pro Pro Arg Ser Gly Ser Ala
35 40 45

Ala Ser Cys Cys Ser Cys Cys Cys Ser Cys Pro Arg Arg Arg Ala Pro
50 55 60

Leu Arg Ser Pro Arg Gly Ser Lys Arg Arg Ile Arg Gln Arg Glu Val
65 70 75 80

Val Asp Leu Tyr Asn Gly Met Cys Leu Gln Gly Pro Ala Gly Val Pro
85 90 95

Gly Arg Asp Gly Ser Pro Gly Ala Asn Gly Ile Pro Gly Thr Pro Gly
100 105 110

Ile Pro Gly Arg Asp Gly Phe Lys Gly Glu Lys Gly Glu Cys Leu Arg
115 120 125

Glu Ser Phe Glu Glu Ser Trp Thr Pro Asn Tyr Lys Gln Cys Ser Trp
130 135 140

Ser Ser Leu Asn Tyr Gly Ile Asp Leu Gly Lys Ile Ala Glu Cys Thr
145 150 155 160

Phe Thr Lys Met Arg Ser Asn Ser Ala Leu Arg Val Leu Phe Ser Gly
165 170 175

Ser Leu Arg Leu Lys Cys Arg Asn Ala Cys Cys Gln Arg Trp Tyr Phe
180 185 190

Thr Phe Asn Gly Ala Glu Cys Ser Gly Pro Leu Pro Ile Glu Ala Ile
195 200 205

Ile Tyr Leu Asp Gln Gly Ser Pro Glu Met Asn Ser Thr Ile Asn Ile
210 215 220

His Arg Thr Ser Ser Val Glu Gly Leu Cys Glu Gly Ile Gly Ala Gly
225 230 235 240

Leu Val Asp Val Ala Ile Trp Val Gly Thr Cys Ser Asp Tyr Pro Lys
245 250 255

Gly Asp Ala Ser Thr Gly Trp Asn Ser Val Ser Arg Ile Ile Ile Glu
260 265 270

Glu Leu Pro Lys
275

<210> 959

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 959

Ser Leu Arg Arg Pro Arg Ser Ala Ala Xaa Gln Thr Leu Thr Thr Phe
1 5 10 15

Leu Ser Ser Val Ser Ser Ala Ser Ser Ser Ala Leu Pro Gly Ser Arg
20 25 30

Glu Pro Cys Asp Pro Arg Ala Pro Pro Pro Pro Arg Ser Gly Ser Ala
35 40 45

Ala Ser Cys Cys Ser Cys Cys Cys Ser Cys Pro Arg Arg
50 55 60

<210> 960

<211> 52

<212> PRT

<213> Homo sapiens

<400> 960

Arg Ala Pro Leu Arg Ser Pro Arg Gly Ser Lys Arg Arg Ile Arg Gln
1 5 10 15

Arg Glu Val Val Asp Leu Tyr Asn Gly Met Cys Leu Gln Gly Pro Ala
20 25 30

Gly Val Pro Gly Arg Asp Gly Ser Pro Gly Ala Asn Gly Ile Pro Gly
35 40 45

Thr Pro Gly Ile
50

<210> 961

<211> 52
 <212> PRT
 <213> Homo sapiens

<400> 961

Thr Pro Gly Ile Pro Gly Arg Asp Gly Phe Lys Gly Glu Lys Gly Glu
 1 5 10 15

Cys Leu Arg Glu Ser Phe Glu Glu Ser Trp Thr Pro Asn Tyr Lys Gln
 20 25 30

Cys Ser Trp Ser Ser Leu Asn Tyr Gly Ile Asp Leu Gly Lys Ile Ala
 35 40 45

Glu Cys Thr Phe
 50

<210> 962
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 962

Phe Thr Lys Met Arg Ser Asn Ser Ala Leu Arg Val Leu Phe Ser Gly
 1 5 10 15

Ser Leu Arg Leu Lys Cys Arg Asn Ala Cys Cys Gln Arg Trp Tyr Phe
 20 25 30

Thr Phe Asn Gly Ala Glu Cys Ser Gly Pro Leu Pro Ile Glu Ala Ile
 35 40 45

Ile Tyr Leu Asp Gln Gly Ser Pro Glu Met Asn Ser Thr Ile Asn Ile
 50 55 60

His Arg
 65

<210> 963
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 963

Arg Thr Ser Ser Val Glu Gly Leu Cys Glu Gly Ile Gly Ala Gly Leu
 1 5 10 15

Val Asp Val Ala Ile Trp Val Gly Thr Cys Ser Asp Tyr Pro Lys Gly
 20 25 30

Asp Ala Ser Thr Gly Trp Asn Ser Val Ser Arg Ile Ile Ile Glu Glu
 35 40 45

Leu Pro Lys
 50

<210> 964
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 964
 Thr Lys Lys Glu Asn Cys Arg Pro Ala Ser Leu Met Asn Ile Asp Thr
 1 5 10 15

Lys Ile Leu Asn Lys Ile Leu Met Asn Gln
 20 25

<210> 965
 <211> 214
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (90)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (94)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (120)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 965
 Met Cys Asn Leu Pro Ile Lys Val Val Cys Arg Ala Asn Ala Glu Tyr
 1 5 10 15

Met Ser Pro Ser Gly Lys Val Pro Xaa Xaa His Val Gly Asn Gln Val
 20 25 30

Val Ser Glu Leu Gly Pro Ile Val Gln Phe Val Lys Ala Lys Gly His
 35 40 45

Ser Leu Ser Asp Gly Leu Glu Glu Val Gln Lys Ala Glu Met Lys Ala
 50 55 60
 Tyr Met Glu Leu Val Asn Asn Met Leu Leu Thr Ala Glu Leu Tyr Leu
 65 70 75 80
 Gln Trp Cys Asp Glu Ala Thr Val Gly Xaa Ile Thr His Xaa Arg Tyr
 85 90 95
 Gly Ser Pro Tyr Pro Trp Pro Leu Xaa His Ile Leu Ala Tyr Gln Lys
 100 105 110
 Gln Trp Glu Val Lys Arg Lys Xaa Lys Ala Ile Gly Trp Gly Lys Lys
 115 120 125
 Thr Leu Asp Gln Val Leu Glu Asp Val Asp Gln Cys Cys Gln Ala Leu
 130 135 140
 Ser Gln Arg Leu Gly Thr Gln Pro Tyr Phe Phe Asn Lys Gln Pro Thr
 145 150 155 160
 Glu Leu Asp Ala Leu Val Phe Gly His Leu Tyr Thr Ile Leu Thr Thr
 165 170 175
 Gln Leu Thr Asn Asp Glu Leu Ser Glu Lys Val Lys Asn Tyr Ser Asn
 180 185 190
 Leu Leu Ala Phe Cys Arg Arg Ile Glu Gln His Tyr Phe Glu Asp Arg
 195 200 205
 Gly Lys Gly Arg Leu Ser
 210

<210> 966

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 966

Met Cys Asn Leu Pro Ile Lys Val Val Cys Arg Ala Asn Ala Glu Tyr
 1 5 10 15

Met Ser Pro Ser Gly Lys Val Pro Xaa Xaa His Val Gly Asn Gln Val
 20 25 30

Val Ser Glu Leu Gly Pro Ile Val Gln Phe Val Lys

35

40

<210> 967

<211> 44

<212> PRT

<213> Homo sapiens

<400> 967

Phe Val Lys Ala Lys Gly His Ser Leu Ser Asp Gly Leu Glu Glu Val
 1 5 10 15

Gln Lys Ala Glu Met Lys Ala Tyr Met Glu Leu Val Asn Asn Met Leu
 20 25 30

Leu Thr Ala Glu Leu Tyr Leu Gln Trp Cys Asp Glu
 35 40

<210> 968

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 968

Leu Gln Trp Cys Asp Glu Ala Thr Val Gly Xaa Ile Thr His Xaa Arg
 1 5 10 15

Tyr Gly Ser Pro Tyr Pro Trp Pro Leu Xaa His Ile Leu Ala Tyr Gln
 20 25 30

Lys Gln Trp Glu Val Lys Arg Lys Xaa Lys Ala Ile Gly Trp Gly Lys
 35 40 45

Lys Thr Leu
 50

<210> 969
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 969
 Asp Gln Val Leu Glu Asp Val Asp Gln Cys Cys Gln Ala Leu Ser Gln
 1 5 10 15
 Arg Leu Gly Thr Gln Pro Tyr Phe Phe Asn Lys Gln Pro Thr Glu Leu
 20 25 30
 Asp Ala Leu Val Phe Gly His Leu Tyr Thr Ile
 35 40

<210> 970
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 970
 Leu Thr Thr Gln Leu Thr Asn Asp Glu Leu Ser Glu Lys Val Lys Asn
 1 5 10 15
 Tyr Ser Asn Leu Leu Ala Phe Cys Arg Arg Ile Glu Gln His Tyr Phe
 20 25 30
 Glu Asp Arg Gly Lys Gly Arg Leu Ser
 35 40

<210> 971
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 971
 Met Xaa Xaa Xaa Asn Ser His Ile Thr Ile Phe Thr Leu Asn Val Asn
 1 5 10 15
 Gly Leu Asn Ala Pro Asn Glu Arg His Arg Leu Ala Asn Trp Ile Gln
 20 25 30

Ser Gln Asp Gln Val Cys Cys Ile Gln Glu Thr His Leu Thr Gly Arg
 35 40 45

Asp Thr His Arg Leu Lys Ile Lys Gly Trp Arg Lys Ile Tyr Gln Ala
 50 55 60

Asn Gly Lys Gln Lys Lys
 65 70

<210> 972
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 972
 Phe Thr Leu Asn Val Asn Gly Leu Asn Ala Pro Asn Glu Arg His Arg
 1 5 10 15

Leu Ala Asn Trp Ile Gln Ser Gln Asp Gln Val Cys
 20 25

<210> 973
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 973
 Thr His Leu Thr Gly Arg Asp Thr His Arg Leu Lys Ile Lys Gly Trp
 1 5 10 15

Arg

<210> 974
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 974
 Gly Trp Arg Lys Ile Tyr Gln Ala Asn Gly Lys Gln Lys Lys
 1 5 10

<210> 975
 <211> 54
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 975

Ile Tyr His Leu His Ser Trp Ile Phe Phe His Phe Lys Arg Ala Phe
 1 5 10 15

Cys Met Cys Phe Ile Thr Met Lys Val Ile His Ala His Cys Ser Lys
 20 25 30

Leu Arg Lys Cys Xaa Asn Ala Gln Ile Ser Val Phe Cys Thr Thr Leu
 35 40 45

Thr Ala Ser Tyr Pro Thr
 50

<210> 976

<211> 23

<212> PRT

<213> Homo sapiens

<400> 976

Ile Tyr His Leu His Ser Trp Ile Phe Phe His Phe Lys Arg Ala Phe
 1 5 10 15

Cys Met Cys Phe Ile Thr Met
 20

<210> 977

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 977

Lys Val Ile His Ala His Cys Ser Lys Leu Arg Lys Cys Xaa Asn Ala
 1 5 10 15

Gln Ile Ser Val Phe Cys Thr Thr Leu Thr Ala Ser Tyr Pro Thr
 20 25 30

<210> 978

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 978

Trp Asn Leu Leu Trp Tyr Phe Gln Arg Leu Arg Leu Pro Ser Ile Leu
 1 5 10 15

Pro Gly Leu Val Leu Ala Ser Cys Asp Gly Pro Ser Xaa Ser Gln Ala
 20 25 30

Pro Ser Pro Trp Leu Thr Pro Asp Pro Ala Ser Val Gln Val Arg Leu
 35 40 45

Leu Trp Asp Val Leu Thr Pro Asp Pro Asn
 50 55

<210> 979

<211> 54

<212> PRT

<213> Homo sapiens

<400> 979

Gln Arg Gly Ile Tyr Arg Glu Ile Leu Phe Leu Thr Met Ala Ala Leu
 1 5 10 15

Gly Lys Asp His Val Asp Ile Val Ala Phe Asp Lys Lys Tyr Lys Ser
 20 25 30

Ala Phe Asn Lys Leu Ala Ser Ser Met Gly Lys Glu Glu Leu Arg His
 35 40 45

Arg Arg Ala Gln Met Pro
 50

<210> 980

<211> 23

<212> PRT

<213> Homo sapiens

<400> 980

Trp Asn Leu Leu Trp Tyr Phe Gln Arg Leu Arg Leu Pro Ser Ile Leu
 1 5 10 15

Pro Gly Leu Val Leu Ala Ser
 20

<210> 981

<211> 191

<212> PRT

<213> Homo sapiens

<400> 981

Glu Asp Asp Gly Phe Asn Arg Ser Ile His Glu Val Ile Leu Lys Asn
 1 5 10 15

Ile Thr Trp Tyr Ser Glu Arg Val Leu Thr Glu Ile Ser Leu Gly Ser
 20 25 30

Leu Leu Ile Leu Val Val Ile Arg Thr Ile Gln Tyr Asn Met Thr Arg
 35 40 45

Thr Arg Asp Lys Tyr Leu His Thr Asn Cys Leu Ala Ala Leu Ala Asn

50					55					60					
Met	Ser	Ala	Gln	Phe	Arg	Ser	Leu	His	Gln	Tyr	Ala	Ala	Gln	Arg	Ile
65					70					75					80
Ile	Ser	Leu	Phe	Ser	Leu	Leu	Ser	Lys	Lys	His	Asn	Lys	Val	Leu	Glu
			85						90					95	
Gln	Ala	Thr	Gln	Ser	Leu	Arg	Gly	Ser	Leu	Ser	Ser	Asn	Asp	Val	Pro
			100					105					110		
Leu	Pro	Asp	Tyr	Ala	Gln	Asp	Leu	Asn	Val	Ile	Glu	Glu	Val	Ile	Arg
		115					120					125			
Met	Met	Leu	Glu	Ile	Ile	Asn	Ser	Cys	Leu	Thr	Asn	Ser	Leu	His	His
	130					135					140				
Asn	Pro	Asn	Leu	Val	Tyr	Ala	Leu	Leu	Tyr	Lys	Arg	Asp	Leu	Phe	Glu
145					150					155					160
Gln	Phe	Arg	Thr	His	Pro	Ser	Phe	Gln	Asp	Ile	Met	Gln	Asn	Ile	Asp
				165					170					175	
Leu	Val	Ile	Ser	Phe	Phe	Ser	Ser	Arg	Leu	Leu	Gln	Ala	Gly	Ser	
			180					185					190		

<210> 982

<211> 38

<212> PRT

<213> Homo sapiens

<400> 982

Glu	Asp	Asp	Gly	Phe	Asn	Arg	Ser	Ile	His	Glu	Val	Ile	Leu	Lys	Asn
1				5					10					15	

Ile	Thr	Trp	Tyr	Ser	Glu	Arg	Val	Leu	Thr	Glu	Ile	Ser	Leu	Gly	Ser
			20					25					30		

Leu	Leu	Ile	Leu	Val	Val
			35		

<210> 983

<211> 53

<212> PRT

<213> Homo sapiens

<400> 983

Arg	Thr	Ile	Gln	Tyr	Asn	Met	Thr	Arg	Thr	Arg	Asp	Lys	Tyr	Leu	His
1				5					10					15	

Thr	Asn	Cys	Leu	Ala	Ala	Leu	Ala	Asn	Met	Ser	Ala	Gln	Phe	Arg	Ser
			20					25					30		

Leu	His	Gln	Tyr	Ala	Ala	Gln	Arg	Ile	Ile	Ser	Leu	Phe	Ser	Leu	Leu
		35					40					45			

Ser Lys Lys His Asn
50

<210> 984

<211> 56

<212> PRT

<213> Homo sapiens

<400> 984

Ser Cys Leu Thr Asn Ser Leu His His Asn Pro Asn Leu Val Tyr Ala
1 5 10 15

Leu Leu Tyr Lys Arg Asp Leu Phe Glu Gln Phe Arg Thr His Pro Ser
20 25 30

Phe Gln Asp Ile Met Gln Asn Ile Asp Leu Val Ile Ser Phe Phe Ser
35 40 45

Ser Arg Leu Leu Gln Ala Gly Ser
50 55

<210> 985

<211> 31

<212> PRT

<213> Homo sapiens

<400> 985

Lys Lys His Asn Lys Val Leu Glu Gln Ala Thr Gln Ser Leu Arg Gly
1 5 10 15

Ser Leu Ser Ser Asn Asp Val Pro Leu Pro Asp Tyr Ala Gln Asp
20 25 30

<210> 986

<211> 15

<212> PRT

<213> Homo sapiens

<400> 986

Thr Ile Ser Asn Ser Ser Phe Ile Ser Gly Tyr Asn Ala Lys Tyr
1 5 10 15

<210> 987

<211> 31

<212> PRT

<213> Homo sapiens

<400> 987

Leu Lys Val Ala Ala Ser Trp Glu Leu Ser Cys Gln Trp Asn Gly Ser
1 5 10 15

Trp Lys Ser Leu Ser Lys Ala Ser Leu Arg Cys Pro Lys Thr Asp
20 25 30

<210> 988
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 988

Met Ala Asp Ile Gln Thr Glu Arg Ala Tyr Gln Lys Gln Pro Thr Ile
 1 5 10 15

Phe Gln Asn Lys Lys Arg Val Leu Leu Gly Glu Thr Gly Lys Glu Lys
 20 25 30

Leu Pro Arg Val Thr Asn Lys Asn Ile Gly Leu Gly Phe Lys Asp Thr
 35 40 45

Pro Arg Arg Leu Leu Arg Gly Thr Tyr Ile Asp Lys Lys Cys Pro Phe
 50 55 60

Thr Gly Asn Val Ser Ile Arg Gly Arg Ile Leu Ser Gly Val Val Thr
 65 70 75 80

Gln Asp Glu Asp Ala Glu Asp His Cys His Pro Pro Arg Leu Ser Ala
 85 90 95

Leu His Pro Gln Val Gln Pro Leu Arg Glu Ala Pro Gln Glu His Val
 100 105 110

Cys Thr Pro Val Pro Leu Leu Gln Gly Arg Pro Asp Arg
 115 120 125

<210> 989
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 989

Met Lys Met Gln Arg Thr Ile Val Ile Arg Arg Asp Tyr Leu His Tyr
 1 5 10 15

Ile Arg Lys Tyr Asn Arg Phe Glu Lys Arg His Lys Asn Met Ser Val
 20 25 30

His Leu Ser Pro Cys Phe Arg Asp Val Gln Ile Gly Asp Ile Val Thr
 35 40 45

Val Gly Glu Cys Arg Pro Leu Ser Lys Thr Val Arg Phe Asn Val Leu
 50 55 60

Lys Val Thr Lys Ala Ala Gly Thr Lys Lys Gln Phe Gln Lys Phe
 65 70 75

<210> 990
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 990

Met Ala Asp Ile Gln Thr Glu Arg Ala Tyr Gln Lys Gln Pro Thr Ile
 1 5 10 15

Phe Gln Asn Lys Lys Arg Val Leu Leu Gly Glu Thr Gly Lys
 20 25 30

<210> 991

<211> 58

<212> PRT

<213> Homo sapiens

<400> 991

Lys Leu Pro Arg Val Thr Asn Lys Asn Ile Gly Leu Gly Phe Lys Asp
 1 5 10 15

Thr Pro Arg Arg Leu Leu Arg Gly Thr Tyr Ile Asp Lys Lys Cys Pro
 20 25 30

Phe Thr Gly Asn Val Ser Ile Arg Gly Arg Ile Leu Ser Gly Val Val
 35 40 45

Thr Gln Asp Glu Asp Ala Glu Asp His Cys
 50 55

<210> 992

<211> 38

<212> PRT

<213> Homo sapiens

<400> 992

His Cys His Pro Pro Arg Leu Ser Ala Leu His Pro Gln Val Gln Pro
 1 5 10 15

Leu Arg Glu Ala Pro Gln Glu His Val Cys Thr Pro Val Pro Leu Leu
 20 25 30

Gln Gly Arg Pro Asp Arg
 35

<210> 993

<211> 36

<212> PRT

<213> Homo sapiens

<400> 993

Met Lys Met Gln Arg Thr Ile Val Ile Arg Arg Asp Tyr Leu His Tyr
 1 5 10 15

Ile Arg Lys Tyr Asn Arg Phe Glu Lys Arg His Lys Asn Met Ser Val
 20 25 30

His Leu Ser Pro
 35

<210> 994

<211> 43

<212> PRT

<213> Homo sapiens

<400> 994

Cys Phe Arg Asp Val Gln Ile Gly Asp Ile Val Thr Val Gly Glu Cys
 1 5 10 15

Arg Pro Leu Ser Lys Thr Val Arg Phe Asn Val Leu Lys Val Thr Lys
 20 25 30

Ala Ala Gly Thr Lys Lys Gln Phe Gln Lys Phe
 35 40

<210> 995

<211> 33

<212> PRT

<213> Homo sapiens

<400> 995

Pro Arg Arg Leu Leu Arg Gly Thr Tyr Ile Asp Lys Lys Cys Pro Phe
 1 5 10 15

Thr Gly Asn Val Ser Ile Arg Gly Arg Ile Leu Ser Gly Val Val Thr
 20 25 30

Gln

<210> 996

<211> 29

<212> PRT

<213> Homo sapiens

<400> 996

Ser Arg Gly Thr Gly Val Gln Thr Cys Ser Cys Gly Ala Ser Arg Ser
 1 5 10 15

Gly Cys Thr Cys Gly Cys Ser Ala Asp Ser Leu Gly Gly
 20 25

<210> 997

<211> 32

<212> PRT

<213> Homo sapiens

<400> 997

Gln Trp Ser Ser Ala Ser Ser Ser Trp Val Thr Thr Pro Glu Arg Ile
 1 5 10 15

Arg Pro Arg Met Asp Thr Leu Pro Val Lys Gly His Phe Leu Ser Met
 20 25 30

<210> 998
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 998
 Ile Phe Tyr Asp Ser Asp Trp Asn Pro Thr Val Asp Gln Gln Ala Met
 1 5 10 15
 Asp Arg Ala His Arg Leu Gly Gln Thr Lys Gln Val Thr Val Tyr Arg
 20 25 30
 Leu Ile Cys Lys Gly Thr Ile Glu Glu Arg Ile Leu Gln Arg Ala Lys
 35 40 45
 Glu Lys Ser Glu Ile Gln Arg Met Val Ile Ser Gly
 50 55 60

<210> 999
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 999
 Thr Arg Met Ile Asp Leu Leu Glu Glu Tyr Met Val Tyr Arg Lys His
 1 5 10 15
 Thr Tyr Xaa Arg Leu Asp Gly Ser Ser Lys Ile Ser Glu Arg Arg Asp
 20 25 30
 Met Val Ala Asp Phe Gln Asn Arg Asn Asp Ile Phe Val Phe Leu Leu
 35 40 45
 Ser Thr Arg Ala Gly Gly Leu Gly Ile Asn Leu Thr Ala Xaa Asp Thr
 50 55 60
 Val His Phe
 65

<210> 1000
 <211> 32

<212> PRT

<213> Homo sapiens

<400> 1000

Ile Phe Tyr Asp Ser Asp Trp Asn Pro Thr Val Asp Gln Gln Ala Met
1 5 10 15

Asp Arg Ala His Arg Leu Gly Gln Thr Lys Gln Val Thr Val Tyr Arg
20 25 30

<210> 1001

<211> 31

<212> PRT

<213> Homo sapiens

<400> 1001

Val Tyr Arg Leu Ile Cys Lys Gly Thr Ile Glu Glu Arg Ile Leu Gln
1 5 10 15

Arg Ala Lys Glu Lys Ser Glu Ile Gln Arg Met Val Ile Ser Gly
20 25 30

<210> 1002

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1002

Thr Arg Met Ile Asp Leu Leu Glu Glu Tyr Met Val Tyr Arg Lys His
1 5 10 15

Thr Tyr Xaa Arg Leu Asp Gly Ser Ser Lys Ile Ser Glu Arg Arg Asp
20 25 30

Met

<210> 1003

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1003

Arg Arg Asp Met Val Ala Asp Phe Gln Asn Arg Asn Asp Ile Phe Val
 1 5 10 15

Phe Leu Leu Ser Thr Arg Ala Gly Gly Leu Gly Ile Asn Leu Thr Ala
 20 25 30

Xaa Asp Thr Val His Phe
 35

<210> 1004

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1004

Ile Phe Tyr Asp Ser Asp Trp Asn Pro Thr Val Asp Gln Gln Ala Met
 1 5 10 15

Asp Arg Ala His Arg Leu Gly Gln Thr Lys Gln Val Thr Val Tyr Arg
 20 25 30

Leu Ile Cys Lys Gly
 35

<210> 1005

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1005

Ile Phe Tyr Asp Ser Asp Trp Asn Pro Thr Val Asp Gln Gln Ala Met
 1 5 10 15

Asp Arg Ala His Arg Leu Gly Gln Thr Lys Gln Val Thr Val Tyr Arg
 20 25 30

Leu Ile Cys Lys Gly
 35

<210> 1006

<211> 29

<212> PRT

<213> Homo sapiens

<400> 1006

Arg Leu Ile Cys Lys Gly Thr Ile Glu Glu Arg Ile Leu Gln Arg Ala
 1 5 10 15

Lys Glu Lys Ser Glu Ile Gln Arg Met Val Ile Ser Gly
 20 25

<210> 1007

<211> 69

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1007
Gly Thr Arg Met Ile Asp Leu Leu Glu Glu Tyr Met Val Tyr Arg Lys
1 5 10 15
His Thr Tyr Xaa Arg Leu Asp Gly Ser Ser Lys Ile Ser Glu Arg Arg
20 25 30
Asp Met Val Ala Asp Phe Gln Asn Arg Asn Asp Ile Phe Val Phe Leu
35 40 45
Leu Ser Thr Arg Ala Gly Gly Leu Gly Ile Asn Leu Thr Ala Xaa Asp
50 55 60
Thr Val His Phe Leu
65

<210> 1008
<211> 364
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (259)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (312)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1008
Met Ser Leu His Gly Lys Arg Lys Glu Ile Tyr Lys Tyr Glu Ala Pro
1 5 10 15
Trp Thr Val Tyr Ala Met Asn Trp Ser Val Arg Pro Asp Lys Arg Phe
20 25 30
Arg Leu Ala Leu Gly Ser Phe Val Glu Glu Tyr Asn Asn Lys Val Gln
35 40 45
Leu Val Gly Leu Asp Glu Glu Ser Ser Glu Phe Ile Cys Arg Asn Thr
50 55 60

Phe Asp His Pro Tyr Pro Thr Thr Lys Leu Met Trp Ile Pro Asp Thr
 65 70 75 80
 Lys Gly Val Tyr Pro Asp Leu Leu Ala Thr Ser Gly Asp Tyr Leu Arg
 85 90 95
 Val Trp Arg Val Gly Glu Thr Glu Thr Arg Leu Glu Cys Leu Leu Asn
 100 105 110
 Asn Asn Lys Asn Ser Asp Phe Cys Ala Pro Leu Thr Ser Phe Asp Trp
 115 120 125
 Asn Glu Val Asp Pro Tyr Leu Leu Gly Thr Ser Ser Ile Asp Thr Thr
 130 135 140
 Cys Thr Ile Trp Gly Leu Glu Thr Gly Gln Val Leu Gly Arg Val Asn
 145 150 155 160
 Leu Val Ser Gly His Val Lys Thr Gln Leu Ile Ala His Asp Lys Glu
 165 170 175
 Val Tyr Asp Ile Ala Phe Ser Arg Ala Gly Gly Gly Arg Asp Met Phe
 180 185 190
 Ala Ser Val Gly Ala Asp Gly Ser Val Arg Met Phe Asp Leu Arg His
 195 200 205
 Leu Glu His Ser Thr Ile Ile Tyr Glu Asp Pro Gln His His Pro Leu
 210 215 220
 Leu Arg Leu Cys Trp Asn Lys Gln Asp Pro Asn Tyr Leu Ala Thr Met
 225 230 235 240
 Ala Met Asp Gly Met Glu Val Val Ile Leu Asp Val Arg Val Pro Ala
 245 250 255
 His Leu Xaa Pro Gly Thr Thr Ile Glu His Val Ser Met Ala Leu Leu
 260 265 270
 Gly Pro His Ile His Pro Ala Thr Ser Ala Leu Gln Arg Met Thr Thr
 275 280 285
 Arg Leu Ser Ser Gly Thr Ser Ser Lys Cys Pro Glu Pro Leu Arg Thr
 290 295 300
 Leu Ser Trp Pro Thr Gln Leu Xaa Gly Glu Ile Asn Asn Val Gln Trp
 305 310 315 320
 Ala Ser Thr Gln Pro Glu Leu Ser Pro Ser Ala Thr Thr Thr Ala Trp
 325 330 335
 Arg Tyr Ser Glu Cys Ser Val Gly Gly Ala Val Pro Thr Arg Gln Gly
 340 345 350
 Leu Leu Tyr Phe Leu Pro Leu Pro His Pro Gln Ser
 355 360

<210> 1009
 <211> 136
 <212> PRT
 <213> Homo sapiens

<400> 1009
 Met Ser Leu His Gly Lys Arg Lys Glu Ile Tyr Lys Tyr Glu Ala Pro
 1 5 10 15
 Trp Thr Val Tyr Ala Met Asn Trp Ser Val Arg Pro Asp Lys Arg Phe
 20 25 30
 Arg Leu Ala Leu Gly Ser Phe Val Glu Glu Tyr Asn Asn Lys Val Gln
 35 40 45
 Leu Val Gly Leu Asp Glu Glu Ser Ser Glu Phe Ile Cys Arg Asn Thr
 50 55 60
 Phe Asp His Pro Tyr Pro Thr Thr Lys Leu Met Trp Ile Pro Asp Thr
 65 70 75 80
 Lys Gly Val Tyr Pro Asp Leu Leu Ala Thr Ser Gly Asp Tyr Leu Arg
 85 90 95
 Val Trp Arg Val Gly Glu Thr Glu Thr Arg Leu Glu Cys Leu Leu Asn
 100 105 110
 Asn Asn Lys Asn Ser Asp Phe Cys Ala Pro Leu Thr Ser Phe Asp Trp
 115 120 125
 Asn Glu Val Asp Pro Tyr Leu Leu
 130 135

<210> 1010
 <211> 140
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (135)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1010
 Ser Phe Asp Trp Asn Glu Val Asp Pro Tyr Leu Leu Gly Thr Ser Ser
 1 5 10 15
 Ile Asp Thr Thr Cys Thr Ile Trp Gly Leu Glu Thr Gly Gln Val Leu
 20 25 30
 Gly Arg Val Asn Leu Val Ser Gly His Val Lys Thr Gln Leu Ile Ala
 35 40 45
 His Asp Lys Glu Val Tyr Asp Ile Ala Phe Ser Arg Ala Gly Gly Gly
 50 55 60
 Arg Asp Met Phe Ala Ser Val Gly Ala Asp Gly Ser Val Arg Met Phe

65		70		75		80									
Asp	Leu	Arg	His	Leu	Glu	His	Ser	Thr	Ile	Ile	Tyr	Glu	Asp	Pro	Gln
				85					90					95	
His	His	Pro	Leu	Leu	Arg	Leu	Cys	Trp	Asn	Lys	Gln	Asp	Pro	Asn	Tyr
			100					105					110		
Leu	Ala	Thr	Met	Ala	Met	Asp	Gly	Met	Glu	Val	Val	Ile	Leu	Asp	Val
		115					120					125			
Arg	Val	Pro	Ala	His	Leu	Xaa	Pro	Gly	Thr	Thr	Ile				
	130					135					140				

<210> 1011
 <211> 170
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (65)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (118)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1011

Val	Gly	Ala	Asp	Gly	Ser	Val	Arg	Met	Phe	Asp	Leu	Arg	His	Leu	Glu
1				5					10					15	
His	Ser	Thr	Ile	Ile	Tyr	Glu	Asp	Pro	Gln	His	His	Pro	Leu	Leu	Arg
			20					25					30		
Leu	Cys	Trp	Asn	Lys	Gln	Asp	Pro	Asn	Tyr	Leu	Ala	Thr	Met	Ala	Met
		35					40					45			
Asp	Gly	Met	Glu	Val	Val	Ile	Leu	Asp	Val	Arg	Val	Pro	Ala	His	Leu
	50					55					60				
Xaa	Pro	Gly	Thr	Thr	Ile	Glu	His	Val	Ser	Met	Ala	Leu	Leu	Gly	Pro
65					70				75					80	
His	Ile	His	Pro	Ala	Thr	Ser	Ala	Leu	Gln	Arg	Met	Thr	Thr	Arg	Leu
				85					90					95	
Ser	Ser	Gly	Thr	Ser	Ser	Lys	Cys	Pro	Glu	Pro	Leu	Arg	Thr	Leu	Ser
			100					105					110		
Trp	Pro	Thr	Gln	Leu	Xaa	Gly	Glu	Ile	Asn	Asn	Val	Gln	Trp	Ala	Ser
		115				120						125			
Thr	Gln	Pro	Glu	Leu	Ser	Pro	Ser	Ala	Thr	Thr	Thr	Ala	Trp	Arg	Tyr
	130					135					140				

Ser Glu Cys Ser Val Gly Gly Ala Val Pro Thr Arg Gln Gly Leu Leu
 145 150 155 160

Tyr Phe Leu Pro Leu Pro His Pro Gln Ser
 165 170

<210> 1012

<211> 286

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (258)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1012

Leu Tyr Ala Thr Ala Thr Val Ile Ser Ser Pro Ser Thr Glu Xaa Leu
 1 5 10 15

Ser Gln Asp Gln Gly Asp Arg Ala Ser Leu Asp Ala Ala Asp Ser Gly
 20 25 30

Arg Gly Ser Trp Thr Ser Cys Ser Ser Gly Ser His Asp Asn Ile Gln
 35 40 45

Thr Ile Gln His Gln Arg Ser Trp Glu Thr Leu Pro Phe Gly His Thr
 50 55 60

His Phe Asp Tyr Ser Gly Asp Pro Ala Gly Leu Trp Ala Ser Ser Ser
 65 70 75 80

His Met Asp Gln Ile Met Phe Ser Asp His Ser Thr Lys Tyr Asn Arg
 85 90 95

Gln Asn Gln Ser Arg Glu Ser Leu Glu Gln Ala Gln Ser Arg Ala Ser
 100 105 110

Trp Ala Ser Ser Thr Gly Tyr Trp Gly Glu Asp Ser Glu Gly Asp Thr
 115 120 125

Gly Thr Ile Lys Arg Arg Gly Gly Lys Asp Val Ser Ile Glu Ala Glu
 130 135 140

Ser Ser Ser Leu Thr Ser Val Thr Thr Glu Glu Thr Lys Pro Val Pro
 145 150 155 160

Met Pro Ala His Ile Ala Val Ala Ser Ser Thr Thr Lys Gly Leu Ile
 165 170 175

Ala Arg Lys Glu Gly Arg Tyr Arg Glu Pro Pro Pro Thr Pro Pro Gly
 180 185 190

Tyr Ile Gly Ile Pro Ile Thr Asp Phe Pro Glu Gly His Ser His Pro
195 200 205

Ala Arg Lys Pro Pro Asp Tyr Asn Val Ala Leu Gln Arg Ser Arg Met
210 215 220

Val Ala Arg Ser Ser Asp Thr Ala Gly Pro Ser Ser Val Gln Gln Pro
225 230 235 240

His Gly His Pro Thr Ser Ser Arg Pro Val Asn Lys Pro Gln Trp His
245 250 255

Lys Xaa Asn Glu Ser Asp Pro Arg Leu Ala Pro Tyr Gln Ser Gln Gly
260 265 270

Phe Ser Thr Glu Glu Asp Glu Asp Glu Gln Val Ser Ala Val
275 280 285

<210> 1013

<211> 42

<212> PRT

<213> Homo sapiens

<400> 1013

His Met Asp Gln Ile Met Phe Ser Asp His Ser Thr Lys Tyr Asn Arg
1 5 10 15

Gln Asn Gln Ser Arg Glu Ser Leu Glu Gln Ala Gln Ser Arg Ala Ser
20 25 30

Trp Ala Ser Ser Thr Gly Tyr Trp Gly Glu
35 40

<210> 1014

<211> 51

<212> PRT

<213> Homo sapiens

<400> 1014

Ser Val Thr Thr Glu Glu Thr Lys Pro Val Pro Met Pro Ala His Ile
1 5 10 15

Ala Val Ala Ser Ser Thr Thr Lys Gly Leu Ile Ala Arg Lys Glu Gly
20 25 30

Arg Tyr Arg Glu Pro Pro Pro Thr Pro Pro Gly Tyr Ile Gly Ile Pro
35 40 45

Ile Thr Asp
50

<210> 1015

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1015

Val Ala Leu Gln Arg Ser Arg Met Val Ala Arg Ser Ser Asp Thr Ala
1 5 10 15

Gly Pro Ser Ser Val Gln Gln Pro His Gly His Pro Thr Ser Ser Arg
20 25 30

Pro Val Asn Lys Pro Gln Trp His Lys Xaa Asn Glu Ser Asp Pro Arg
35 40 45

Leu Ala Pro Tyr Gln Ser Gln Gly Phe
50 55

<210> 1016

<211> 41

<212> PRT

<213> Homo sapiens

<400> 1016

Cys Leu Leu Phe Val Phe Val Ser Leu Gly Met Arg Cys Leu Phe Trp
1 5 10 15

Thr Ile Val Tyr Asn Val Leu Tyr Leu Lys His Lys Cys Asn Thr Val
20 25 30

Leu Leu Cys Tyr His Leu Cys Ser Ile
35 40

<210> 1017

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1017

Ala Cys Ser Lys Leu Ile Pro Ala Phe Glu Met Val Met Arg Ala Lys
 1 5 10 15

Asp Asn Val Tyr His Leu Asp Cys Phe Ala Cys Gln Leu Cys Asn Gln
 20 25 30

Arg Xaa Cys Val Gly Asp Lys Phe Phe Leu Lys Asn Asn Xaa Xaa Leu
 35 40 45

Cys Gln Thr Asp Tyr Glu Glu Gly Leu Met Lys Glu Gly Tyr Ala Pro
 50 55 60

Xaa Val Arg
 65

<210> 1018

<211> 45

<212> PRT

<213> Homo sapiens

<400> 1018

Ser Ala Leu Ser Glu Pro Gly Ala Pro Asp Arg Arg Arg Pro Cys Pro
 1 5 10 15

Glu Ser Val Pro Arg Arg Pro Asp Asp Glu Gln Trp Pro Pro Pro Thr
 20 25 30

Ala Leu Cys Leu Asp Val Ala Pro Leu Pro Pro Ser Ser
 35 40 45

<210> 1019

<211> 43

<212> PRT

<213> Homo sapiens

<400> 1019

Pro Val Gly Tyr Leu Asp Lys Gln Val Pro Asp Thr Ser Val Gln Glu
 1 5 10 15

Thr Asp Arg Ile Leu Val Glu Lys Arg Cys Trp Asp Ile Ala Leu Gly
 20 25 30

Pro Leu Lys Gln Ile Pro Met Asn Leu Phe Ile
 35 40

<210> 1020

<211> 214

<212> PRT

<213> Homo sapiens

<400> 1020

Ala	His	Ala	Ser	Glu	Ser	Gly	Glu	Arg	Trp	Trp	Ala	Cys	Cys	Gly	Val
1				5					10					15	
Arg	Phe	Gly	Leu	Arg	Ser	Ile	Glu	Ala	Ile	Gly	Arg	Ser	Cys	Cys	His
			20					25					30		
Asp	Gly	Pro	Gly	Gly	Leu	Val	Ala	Asn	Arg	Gly	Arg	Arg	Phe	Lys	Trp
		35					40					45			
Ala	Ile	Glu	Leu	Ser	Gly	Pro	Gly	Gly	Gly	Ser	Arg	Gly	Arg	Ser	Asp
	50					55				60					
Arg	Gly	Ser	Gly	Gln	Gly	Asp	Ser	Leu	Tyr	Pro	Val	Gly	Tyr	Leu	Asp
	65				70					75				80	
Lys	Gln	Val	Pro	Asp	Thr	Ser	Val	Gln	Glu	Thr	Asp	Arg	Ile	Leu	Val
				85					90					95	
Glu	Lys	Arg	Cys	Trp	Asp	Ile	Ala	Leu	Gly	Pro	Leu	Lys	Gln	Ile	Pro
			100					105					110		
Met	Asn	Leu	Phe	Ile	Met	Tyr	Met	Ala	Gly	Asn	Thr	Ile	Ser	Ile	Phe
		115					120					125			
Pro	Thr	Met	Met	Val	Cys	Met	Met	Ala	Trp	Arg	Pro	Ile	Gln	Ala	Leu
	130					135					140				
Met	Ala	Ile	Ser	Ala	Thr	Phe	Lys	Met	Leu	Glu	Ser	Ser	Ser	Gln	Lys
	145				150					155				160	
Phe	Leu	Gln	Gly	Leu	Val	Tyr	Leu	Ile	Gly	Asn	Leu	Met	Gly	Leu	Ala
			165						170					175	
Leu	Ala	Val	Tyr	Lys	Cys	Gln	Ser	Met	Gly	Leu	Leu	Pro	Thr	His	Ala
		180						185					190		
Ser	Asp	Trp	Leu	Ala	Phe	Ile	Glu	Pro	Pro	Glu	Arg	Met	Glu	Phe	Ser
	195						200					205			
Gly	Gly	Gly	Leu	Leu	Leu										
	210														

<210> 1021

<211> 46

<212> PRT

<213> Homo sapiens

<400> 1021

Ala	Thr	Phe	Lys	Met	Leu	Glu	Ser	Ser	Ser	Gln	Lys	Phe	Leu	Gln	Gly
1				5					10					15	
Leu	Val	Tyr	Leu	Ile	Gly	Asn	Leu	Met	Gly	Leu	Ala	Leu	Ala	Val	Tyr
		20					25					30			
Lys	Cys	Gln	Ser	Met	Gly	Leu	Leu	Pro	Thr	His	Ala	Ser	Asp		
	35					40						45			

<210> 1022
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 1022
 Pro Val Gly Tyr Leu Asp Lys Gln Val Pro Asp Thr Ser Val Gln Glu
 1 5 10 15
 Thr Asp Arg Ile Leu Val Glu Lys Arg Cys Trp Asp Ile Ala Leu Gly
 20 25 30
 Pro Leu Lys Gln Ile Pro Met Asn Leu Phe Ile
 35 40

<210> 1023
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 1023
 Pro Thr Thr Lys Leu Asp Ile Met Glu Lys Lys Lys His Ile Gln Ile
 1 5 10 15
 Arg Phe Pro Ser Phe Tyr His Lys Leu Val Asp Ser Gly Arg Met Arg
 20 25 30
 Ser Lys Arg Glu Thr Arg Arg Glu Asp Ser Asp Thr Lys His Asn Leu
 35 40 45

<210> 1024
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 1024
 Phe Leu Trp Lys Ser Leu Leu Leu Arg Tyr Phe Lys Met Arg Gln His
 1 5 10 15

<210> 1025
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 1025
 Tyr His Tyr Leu Leu Ser Ser Phe Leu Ser Tyr Ser Ser Ser Ser Gln
 1 5 10 15

Asn Leu Pro Val Tyr Gly Arg Lys Met Gly Thr Leu Phe Glu Cys Val
 20 25 30

Phe Phe Phe Pro
 35

<210> 1026

<211> 167

<212> PRT

<213> Homo sapiens

<400> 1026

Thr Glu His Ile Ile Ala Val Met Ile Thr Glu Leu Arg Gly Lys Asp
 1 5 10 15

Ile Leu Ser Tyr Leu Glu Lys Asn Ile Ser Val Gln Met Thr Ile Ala
 20 25 30

Val Gly Thr Arg Met Pro Pro Lys Asn Phe Ser Arg Gly Ser Leu Val
 35 40 45

Phe Val Ser Ile Ser Phe Ile Val Leu Met Ile Ile Ser Ser Ala Trp
 50 55 60

Leu Ile Phe Tyr Phe Ile Gln Lys Ile Arg Tyr Thr Asn Ala Arg Asp
 65 70 75 80

Arg Asn Gln Arg Arg Leu Gly Asp Ala Ala Lys Lys Ala Ile Ser Lys
 85 90 95

Leu Thr Thr Arg Thr Val Lys Lys Gly Asp Lys Glu Thr Asp Pro Asp
 100 105 110

Phe Asp His Cys Ala Val Cys Ile Glu Ser Tyr Lys Gln Asn Asp Val
 115 120 125

Val Arg Ile Leu Pro Cys Lys His Val Phe His Lys Ser Cys Val Asp
 130 135 140

Pro Trp Leu Ser Glu His Cys Thr Cys Pro Met Cys Lys Leu Asn Ile
 145 150 155 160

Leu Lys Ala Leu Gly Ile Val
 165

<210> 1027

<211> 276

<212> PRT

<213> Homo sapiens

<400> 1027

Met Thr His Pro Gly Thr Glu His Ile Ile Ala Val Met Ile Thr Glu
 1 5 10 15

Leu Arg Gly Lys Asp Ile Leu Ser Tyr Leu Glu Lys Asn Ile Ser Val

20	25	30
Gln Met Thr Ile Ala Val Gly Thr Arg Met Pro Pro Lys Asn Phe Ser		
35	40	45
Arg Gly Ser Leu Val Phe Val Ser Ile Ser Phe Ile Val Leu Met Ile		
50	55	60
Ile Ser Ser Ala Trp Leu Ile Phe Tyr Phe Ile Gln Lys Ile Arg Tyr		
65	70	75
Thr Asn Ala Arg Asp Arg Asn Gln Arg Arg Leu Gly Asp Ala Ala Lys		
85	90	95
Lys Ala Ile Ser Lys Leu Thr Thr Arg Thr Val Lys Lys Gly Asp Lys		
100	105	110
Glu Thr Asp Pro Asp Phe Asp His Cys Ala Val Cys Ile Glu Ser Tyr		
115	120	125
Lys Gln Asn Asp Val Val Arg Ile Leu Pro Cys Lys His Val Phe His		
130	135	140
Lys Ser Cys Val Asp Pro Trp Leu Ser Glu His Cys Thr Cys Pro Met		
145	150	155
Cys Lys Leu Asn Ile Leu Lys Ala Leu Gly Ile Val Pro Asn Leu Pro		
165	170	175
Cys Thr Asp Asn Val Ala Phe Asp Met Glu Arg Leu Thr Arg Thr Gln		
180	185	190
Ala Val Asn Arg Arg Ser Ala Leu Gly Asp Leu Ala Gly Asp Asn Ser		
195	200	205
Leu Gly Leu Glu Pro Leu Arg Thr Ser Gly Ile Ser Pro Leu Pro Gln		
210	215	220
Asp Gly Glu Leu Thr Pro Arg Thr Gly Glu Ile Asn Ile Ala Val Thr		
225	230	235
Lys Glu Trp Phe Ile Ile Ala Ser Phe Gly Leu Leu Ser Ala Leu Thr		
245	250	255
Leu Cys Tyr Met Ile Ile Arg Ala Thr Ala Ser Leu Asn Ala Asn Glu		
260	265	270
Val Glu Trp Phe		
275		

<210> 1028

<211> 69

<212> PRT

<213> Homo sapiens

<400> 1028

Thr Glu His Ile Ile Ala Val Met Ile Thr Glu Leu Arg Gly Lys Asp

1 5 10 15
 Ile Leu Ser Tyr Leu Glu Lys Asn Ile Ser Val Gln Met Thr Ile Ala
 20 25 30
 Val Gly Thr Arg Met Pro Pro Lys Asn Phe Ser Arg Gly Ser Leu Val
 35 40 45
 Phe Val Ser Ile Ser Phe Ile Val Leu Met Ile Ile Ser Ser Ala Trp
 50 55 60
 Leu Ile Phe Tyr Phe
 65

<210> 1029

<211> 58

<212> PRT

<213> Homo sapiens

<400> 1029

Ser Ile Ser Phe Ile Val Leu Met Ile Ile Ser Ser Ala Trp Leu Ile
 1 5 10 15

Phe Tyr Phe Ile Gln Lys Ile Arg Tyr Thr Asn Ala Arg Asp Arg Asn
 20 25 30

Gln Arg Arg Leu Gly Asp Ala Ala Lys Lys Ala Ile Ser Lys Leu Thr
 35 40 45

Thr Arg Thr Val Lys Lys Gly Asp Lys Glu
 50 55

<210> 1030

<211> 66

<212> PRT

<213> Homo sapiens

<400> 1030

Val Lys Lys Gly Asp Lys Glu Thr Asp Pro Asp Phe Asp His Cys Ala
 1 5 10 15

Val Cys Ile Glu Ser Tyr Lys Gln Asn Asp Val Val Arg Ile Leu Pro
 20 25 30

Cys Lys His Val Phe His Lys Ser Cys Val Asp Pro Trp Leu Ser Glu
 35 40 45

His Cys Thr Cys Pro Met Cys Lys Leu Asn Ile Leu Lys Ala Leu Gly
 50 55 60

Ile Val
 65

<210> 1031

<211> 106

<212> PRT
<213> Homo sapiens

<400> 1031

```
Met Thr His Pro Gly Thr Glu His Ile Ile Ala Val Met Ile Thr Glu
  1              5              10              15

Leu Arg Gly Lys Asp Ile Leu Ser Tyr Leu Glu Lys Asn Ile Ser Val
              20              25              30

Gln Met Thr Ile Ala Val Gly Thr Arg Met Pro Pro Lys Asn Phe Ser
              35              40              45

Arg Gly Ser Leu Val Phe Val Ser Ile Ser Phe Ile Val Leu Met Ile
  50              55              60

Ile Ser Ser Ala Trp Leu Ile Phe Tyr Phe Ile Gln Lys Ile Arg Tyr
  65              70              75              80

Thr Asn Ala Arg Asp Arg Asn Gln Arg Arg Leu Gly Asp Ala Ala Lys
              85              90              95

Lys Ala Ile Ser Lys Leu Thr Thr Arg Thr
  100              105
```

<210> 1032
<211> 84
<212> PRT
<213> Homo sapiens

<400> 1032

```
Ala Ala Lys Lys Ala Ile Ser Lys Leu Thr Thr Arg Thr Val Lys Lys
  1              5              10              15

Gly Asp Lys Glu Thr Asp Pro Asp Phe Asp His Cys Ala Val Cys Ile
              20              25              30

Glu Ser Tyr Lys Gln Asn Asp Val Val Arg Ile Leu Pro Cys Lys His
              35              40              45

Val Phe His Lys Ser Cys Val Asp Pro Trp Leu Ser Glu His Cys Thr
  50              55              60

Cys Pro Met Cys Lys Leu Asn Ile Leu Lys Ala Leu Gly Ile Val Pro
  65              70              75              80

Asn Leu Pro Cys
```

<210> 1033
<211> 86
<212> PRT
<213> Homo sapiens

<400> 1033

```
Thr Gln Ala Val Asn Arg Arg Ser Ala Leu Gly Asp Leu Ala Gly Asp
```

1	5	10	15
Asn Ser Leu Gly Leu Glu Pro Leu Arg Thr Ser Gly Ile Ser Pro Leu			
20	25	30	
Pro Gln Asp Gly Glu Leu Thr Pro Arg Thr Gly Glu Ile Asn Ile Ala			
35	40	45	
Val Thr Lys Glu Trp Phe Ile Ile Ala Ser Phe Gly Leu Leu Ser Ala			
50	55	60	
Leu Thr Leu Cys Tyr Met Ile Ile Arg Ala Thr Ala Ser Leu Asn Ala			
65	70	75	80
Asn Glu Val Glu Trp Phe			
85			

<210> 1034

<211> 341

<212> PRT

<213> Homo sapiens

<400> 1034

Pro Leu His Gly Val Ala Asp His Leu Gly Cys Asp Pro Gln Thr Arg
1 5 10 15

Phe Phe Val Pro Pro Asn Ile Lys Gln Trp Ile Ala Leu Leu Gln Arg
20 25 30

Gly Asn Cys Thr Phe Lys Glu Lys Ile Ser Arg Ala Ala Phe His Asn
35 40 45

Ala Val Ala Val Val Ile Tyr Asn Asn Lys Ser Lys Glu Glu Pro Val
50 55 60

Thr Met Thr His Pro Gly Thr Glu His Ile Ile Ala Val Met Ile Thr
65 70 75 80

Glu Leu Arg Gly Lys Asp Ile Leu Ser Tyr Leu Glu Lys Asn Ile Ser
85 90 95

Val Gln Met Thr Ile Ala Val Gly Thr Arg Met Pro Pro Lys Asn Phe
100 105 110

Ser Arg Gly Ser Leu Val Phe Val Ser Ile Ser Phe Ile Val Leu Met
115 120 125

Ile Ile Ser Ser Ala Trp Leu Ile Phe Tyr Phe Ile Gln Lys Ile Arg
130 135 140

Tyr Thr Asn Ala Arg Asp Arg Asn Gln Arg Arg Leu Gly Asp Ala Ala
145 150 155 160

Lys Lys Ala Ile Ser Lys Leu Thr Thr Arg Thr Val Lys Lys Gly Asp
165 170 175

Lys Glu Thr Asp Pro Asp Phe Asp His Cys Ala Val Cys Ile Glu Ser

180	185	190
Tyr Lys Gln Asn Asp Val Val Arg Ile Leu Pro Cys Lys His Val Phe		
195	200	205
His Lys Ser Cys Val Asp Pro Trp Leu Ser Glu His Cys Thr Cys Pro		
210	215	220
Met Cys Lys Leu Asn Ile Leu Lys Ala Leu Gly Ile Val Pro Asn Leu		
225	230	235
Pro Cys Thr Asp Asn Val Ala Phe Asp Met Glu Arg Leu Thr Arg Thr		
245	250	255
Gln Ala Val Asn Arg Arg Ser Ala Leu Gly Asp Leu Ala Gly Asp Asn		
260	265	270
Ser Leu Gly Leu Glu Pro Leu Arg Thr Ser Gly Ile Ser Pro Leu Pro		
275	280	285
Gln Asp Gly Glu Leu Thr Pro Arg Thr Gly Glu Ile Asn Ile Ala Val		
290	295	300
Thr Lys Glu Trp Phe Ile Ile Ala Ser Phe Gly Leu Leu Ser Ala Leu		
305	310	315
Thr Leu Cys Tyr Met Ile Ile Arg Ala Thr Ala Ser Leu Asn Ala Asn		
325	330	335
Glu Val Glu Trp Phe		
340		

<210> 1035
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 1035
 His Gly Val Ala Asp His Leu Gly Cys Asp Pro Gln Thr Arg Phe Phe
 1 5 10 15
 Val Pro Pro Asn Ile Lys Gln Trp Ile Ala Leu Leu Gln Arg Gly Asn
 20 25 30
 Cys Thr Phe Lys Glu Lys Ile Ser Arg Ala Ala Phe His Asn Ala Val
 35 40 45
 Ala Val Val Ile Tyr Asn Asn Lys Ser Lys Glu Glu
 50 55 60

<210> 1036
 <211> 314
 <212> PRT
 <213> Homo sapiens
 <220>

<221> SITE

<222> (189)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1036

Met Ser Gly Gln Gly Leu Ala Gly Phe Phe Ala Ser Val Ala Met Ile
 1 5 10 15

Cys Ala Ile Ala Ser Gly Ser Glu Leu Ser Glu Ser Ala Phe Gly Tyr
 20 25 30

Phe Ile Thr Ala Cys Ala Val Ile Ile Leu Thr Ile Ile Cys Tyr Leu
 35 40 45

Gly Leu Pro Arg Leu Glu Phe Tyr Arg Tyr Tyr Gln Gln Leu Lys Leu
 50 55 60

Glu Gly Pro Gly Glu Gln Glu Thr Lys Leu Asp Leu Ile Ser Lys Gly
 65 70 75 80

Glu Glu Pro Arg Ala Gly Lys Glu Glu Ser Gly Val Ser Val Ser Asn
 85 90 95

Ser Gln Pro Thr Asn Glu Ser His Ser Ile Lys Ala Ile Leu Lys Asn
 100 105 110

Ile Ser Val Leu Ala Phe Ser Val Cys Phe Ile Phe Thr Ile Thr Ile
 115 120 125

Gly Met Phe Pro Ala Val Thr Val Glu Val Lys Ser Ser Ile Ala Gly
 130 135 140

Ser Ser Thr Trp Glu Arg Tyr Phe Ile Pro Val Ser Cys Phe Leu Thr
 145 150 155 160

Phe Asn Ile Phe Asp Trp Leu Gly Arg Ser Leu Thr Ala Val Phe Met
 165 170 175

Trp Pro Gly Lys Asp Ser Arg Trp Leu Pro Ser Trp Xaa Leu Ala Arg
 180 185 190

Leu Val Phe Val Pro Leu Leu Leu Leu Cys Asn Ile Lys Pro Arg Arg
 195 200 205

Tyr Leu Thr Val Val Phe Glu His Asp Ala Trp Phe Ile Phe Phe Met
 210 215 220

Ala Ala Phe Ala Phe Ser Asn Gly Tyr Leu Ala Ser Leu Cys Met Cys
 225 230 235 240

Phe Gly Pro Lys Lys Val Lys Pro Ala Glu Ala Glu Thr Ala Glu Pro
 245 250 255

Ser Trp Pro Ser Ser Cys Val Trp Val Trp His Trp Gly Leu Phe Ser
 260 265 270

Pro Ser Cys Ser Gly Gln Leu Cys Asp Lys Gly Trp Thr Glu Gly Leu
 275 280 285

Pro Ala Ser Leu Pro Val Cys Leu Leu Pro Leu Pro Ser Ala Arg Gly
 290 295 300

Asp Pro Glu Trp Ser Gly Gly Phe Phe Phe
 305 310

<210> 1037
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 1037
 Met Ser Gly Gln Gly Leu Ala Gly Phe Phe Ala Ser Val Ala Met Ile
 1 5 10 15
 Cys Ala Ile Ala Ser Gly Ser Glu Leu Ser Glu Ser Ala Phe Gly Tyr
 20 25 30
 Phe Ile Thr Ala Cys Ala Val Ile Ile Leu Thr Ile Ile Cys Tyr Leu
 35 40 45
 Gly Leu Pro Arg Leu Glu Phe Tyr Arg Tyr Tyr Gln Gln Leu Lys Leu
 50 55 60
 Glu Gly Pro Gly Glu Gln Glu Thr Lys Leu Asp Leu Ile Ser Lys Gly
 65 70 75 80
 Glu Glu Pro Arg Ala Gly Lys Glu Glu Ser Gly Val Ser Val Ser Asn
 85 90 95
 Ser Gln Pro Thr Asn Glu Ser His Ser Ile
 100 105

<210> 1038
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 1038
 Ser Gly Val Ser Val Ser Asn Ser Gln Pro Thr Asn Glu Ser His Ser
 1 5 10 15
 Ile Lys Ala Ile Leu Lys Asn Ile Ser Val Leu Ala Phe Ser Val Cys
 20 25 30
 Phe Ile Phe Thr Ile Thr Ile Gly Met Phe Pro Ala Val Thr Val Glu
 35 40 45
 Val Lys Ser Ser Ile Ala Gly Ser Ser Thr Trp Glu Arg Tyr Phe Ile
 50 55 60
 Pro Val Ser Cys Phe Leu Thr Phe Asn Ile Phe Asp Trp Leu Gly Arg
 65 70 75 80
 Ser

<210> 1039
 <211> 92
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1039
 Thr Ile Gly Met Phe Pro Ala Val Thr Val Glu Val Lys Ser Ser Ile
 1 5 10 15
 Ala Gly Ser Ser Thr Trp Glu Arg Tyr Phe Ile Pro Val Ser Cys Phe
 20 25 30
 Leu Thr Phe Asn Ile Phe Asp Trp Leu Gly Arg Ser Leu Thr Ala Val
 35 40 45
 Phe Met Trp Pro Gly Lys Asp Ser Arg Trp Leu Pro Ser Trp Xaa Leu
 50 55 60
 Ala Arg Leu Val Phe Val Pro Leu Leu Leu Leu Cys Asn Ile Lys Pro
 65 70 75 80
 Arg Arg Tyr Leu Thr Val Val Phe Glu His Asp Ala
 85 90

<210> 1040
 <211> 74
 <212> PRT
 <213> Homo sapiens

<400> 1040
 Phe Gly Pro Lys Lys Val Lys Pro Ala Glu Ala Glu Thr Ala Glu Pro
 1 5 10 15
 Ser Trp Pro Ser Ser Cys Val Trp Val Trp His Trp Gly Leu Phe Ser
 20 25 30
 Pro Ser Cys Ser Gly Gln Leu Cys Asp Lys Gly Trp Thr Glu Gly Leu
 35 40 45
 Pro Ala Ser Leu Pro Val Cys Leu Leu Pro Leu Pro Ser Ala Arg Gly
 50 55 60
 Asp Pro Glu Trp Ser Gly Gly Phe Phe Phe
 65 70

<210> 1041
 <211> 135
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (107)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (108)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (109)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (110)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (111)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (130)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1041
 Asp Asp Asp Gly Phe Glu Ile Val Pro Ile Glu Asp Pro Ala Lys His
 1 5 10 15
 Arg Ile Leu Asp Pro Glu Gly Leu Ala Leu Gly Ala Val Ile Ala Ser
 20 25 30
 Ser Lys Lys Ala Lys Arg Asp Leu Ile Asp Asn Ser Phe Asn Arg Tyr
 35 40 45
 Thr Phe Asn Glu Asp Glu Gly Glu Leu Pro Glu Trp Phe Val Gln Glu
 50 55 60
 Glu Lys Gln His Arg Ile Arg Gln Leu Pro Val Gly Lys Lys Glu Val
 65 70 75 80
 Glu His Tyr Arg Lys Arg Trp Arg Glu Ile Asn Ala Arg Pro Ile Xaa
 85 90 95
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 100 105 110
 Leu Glu Gln Thr Arg Lys Lys Ala Glu Ala Val Val Asn Thr Val Asp
 115 120 125

Ile Xaa Arg Thr Arg Glu Ser
130 135

<210> 1042
<211> 50
<212> PRT
<213> Homo sapiens

<400> 1042
Asp Asp Asp Gly Phe Glu Ile Val Pro Ile Glu Asp Pro Ala Lys His
1 5 10 15

Arg Ile Leu Asp Pro Glu Gly Leu Ala Leu Gly Ala Val Ile Ala Ser
20 25 30

Ser Lys Lys Ala Lys Arg Asp Leu Ile Asp Asn Ser Phe Asn Arg Tyr
35 40 45

Thr Phe
50

<210> 1043
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1043

Lys Arg Trp Arg Glu Ile Asn Ala Arg Pro Ile Xaa Xaa Xaa Xaa Xaa
 1 5 10 15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu Glu Gln Thr
 20 25 30

Arg Lys Lys Ala Glu Ala Val Val Asn Thr Val Asp Ile Xaa Arg Thr
 35 40 45

Arg Glu Ser
 50

<210> 1044

<211> 216

<212> PRT

<213> Homo sapiens

<400> 1044

Met Ile Lys Asp Lys Gly Arg Ala Arg Thr Ala Leu Thr Ser Ser Gln
 1 5 10 15

Pro Ala His Leu Cys Pro Glu Asn Pro Leu Leu His Leu Lys Ala Ala
 20 25 30

Val Lys Glu Lys Lys Arg Asn Lys Lys Lys Thr Ile Gly Ser Pro
 35 40 45

Lys Arg Ile Gln Ser Pro Leu Asn Asn Lys Leu Leu Asn Ser Pro Ala
 50 55 60

Lys Thr Leu Pro Gly Ala Cys Gly Ser Pro Gln Lys Leu Ile Asp Gly
 65 70 75 80

Phe Leu Lys His Glu Gly Pro Pro Ala Glu Lys Pro Leu Glu Glu Leu
 85 90 95

Ser Ala Ser Thr Ser Gly Val Pro Gly Leu Ser Ser Leu Gln Ser Asp
 100 105 110

Pro Ala Gly Cys Val Arg Pro Pro Ala Pro Asn Leu Ala Gly Ala Val
 115 120 125

Glu Phe Asn Asp Val Lys Thr Leu Leu Arg Glu Trp Ile Thr Thr Ile
 130 135 140

Ser Asp Pro Met Glu Glu Asp Ile Leu Gln Val Val Lys Tyr Cys Thr
 145 150 155 160

Asp Leu Ile Glu Glu Lys Asp Leu Glu Lys Leu Asp Leu Val Ile Lys
 165 170 175

Tyr Met Lys Arg Leu Met Gln Gln Ser Val Glu Ser Val Trp Asn Met
 180 185 190

Ala Phe Asp Phe Ile Leu Asp Asn Val Gln Val Val Leu Gln Gln Thr
 195 200 205

Tyr Gly Ser Thr Leu Lys Val Thr
 210 215

<210> 1045
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 1045
 Met Ile Lys Asp Lys Gly Arg Ala Arg Thr Ala Leu Thr Ser Ser Gln
 1 5 10 15

Pro Ala His Leu Cys Pro Glu Asn Pro Leu Leu His Leu Lys Ala Ala
 20 25 30

Val Lys Glu Lys Lys Arg Asn Lys Lys Lys Lys Thr Ile Gly Ser Pro
 35 40 45

Lys Arg Ile Gln
 50

<210> 1046
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 1046
 Lys Arg Ile Gln Ser Pro Leu Asn Asn Lys Leu Leu Asn Ser Pro Ala
 1 5 10 15

Lys Thr Leu Pro Gly Ala Cys Gly Ser Pro Gln Lys Leu Ile Asp Gly
 20 25 30

Phe Leu Lys His Glu Gly Pro Pro Ala Glu Lys Pro Leu Glu Glu Leu
 35 40 45

Ser Ala Ser Thr Ser Gly Val Pro Gly Leu Ser Ser Leu Gln Ser Asp
 50 55 60

Pro Ala Gly Cys Val Arg Pro Pro Ala Pro Asn Leu Ala Gly Ala Val
 65 70 75 80

Glu Phe Asn Asp Val Lys Thr Leu Leu Arg Glu Trp Ile Thr Thr Ile
 85 90 95

Ser Asp Pro Met
 100

<210> 1047
 <211> 74
 <212> PRT

3> Homo sapiens

0> 1047

Ile Ser Asp Pro Met Glu Glu Asp Ile Leu Gln Val Val Lys Tyr
5 10 15

Thr Asp Leu Ile Glu Glu Lys Asp Leu Glu Lys Leu Asp Leu Val
20 25 30

Lys Tyr Met Lys Arg Leu Met Gln Gln Ser Val Glu Ser Val Trp
35 40 45

Met Ala Phe Asp Phe Ile Leu Asp Asn Val Gln Val Val Leu Gln
50 55 60

Thr Tyr Gly Ser Thr Leu Lys Val Thr
5 70

10> 1048

11> 156

12> PRT

13> Homo sapiens

00> 1048

1 Cys Cys Lys Thr Thr Trp Thr Leu Ser Arg Ile Lys Ser Asn Ala
1 5 10 15

e Phe Gln Thr Asp Ser Thr Asp Cys Cys Ile Ser Leu Phe Met Tyr
20 25 30

le Ile Thr Arg Ser Ser Phe Ser Lys Ser Phe Ser Ser Ile Arg Ser
35 40 45

l Gln Tyr Phe Thr Thr Trp Arg Met Ser Ser Ser Ile Gly Ser Glu
50 55 60

le Val Val Ile His Ser Leu Ser Lys Val Phe Thr Ser Leu Asn Ser
55 70 75 80

ar Ala Pro Ala Arg Leu Gly Ala Gly Gly Leu Thr Gln Pro Ala Gly
85 90 95

er Asp Cys Lys Leu Glu Arg Pro Gly Thr Pro Glu Val Glu Ala Glu
100 105 110

er Ser Ser Arg Gly Phe Ser Ala Gly Gly Pro Ser Cys Phe Arg Asn
115 120 125

ro Ser Ile Asn Phe Trp Gly Leu Pro Gln Ala Pro Gly Arg Val Phe
130 135 140

la Gly Leu Leu Ser Ser Leu Leu Phe Lys Gly Leu
145 150 155

:210> 1049

:211> 25

<212> PRT
 <213> Homo sapiens

<400> 1049

Trp Thr Leu Ser Arg Ile Lys Ser Asn Ala Ile Phe Gln Thr Asp Ser
 1 5 10 15

Thr Asp Cys Cys Ile Ser Leu Phe Met
 20 25

<210> 1050

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1050

Phe Thr Thr Trp Arg Met Ser Ser Ser Ile Gly Ser Glu Ile Val Val
 1 5 10 15

Ile His Ser Leu Ser Lys Val Phe Thr Ser Leu Asn Ser Thr Ala Pro
 20 25 30

Ala Arg Leu Gly Ala
 35

<210> 1051

<211> 28

<212> PRT

<213> Homo sapiens

<400> 1051

Gly Gly Pro Ser Cys Phe Arg Asn Pro Ser Ile Asn Phe Trp Gly Leu
 1 5 10 15

Pro Gln Ala Pro Gly Arg Val Phe Ala Gly Leu Leu
 20 25

<210> 1052

<211> 18

<212> PRT

<213> Homo sapiens

<400> 1052

Phe Cys His Asp Cys Lys Phe Pro Glu Ala Ser Pro Ala Met Asn Cys
 1 5 10 15

Glu Pro

<210> 1053

<211> 18

<212> PRT

<213> Homo sapiens

<400> 1053

Phe Cys His Asp Cys Lys Phe Pro Glu Ala Ser Pro Ala Met Asn Cys
 1 5 10 15

Glu Pro

<210> 1054

<211> 9

<212> PRT

<213> Homo sapiens

<400> 1054

His Glu Pro Tyr Ala Val Leu Val Ile
 1 5

<210> 1055

<211> 27

<212> PRT

<213> Homo sapiens

<400> 1055

Pro Gln Pro Ser Asn Phe Pro Thr Thr Val Arg Asn Leu Pro Tyr Ser
 1 5 10 15

Gly Ala Gly Ala Gln Pro Pro Pro Ser Asn Cys
 20 25

<210> 1056

<211> 134

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1056

Met Ala Ser Ser Val Pro Ala Gly Gly His Thr Arg Ala Gly Gly Ile
 1 5 10 15

Phe Leu Ile Gly Lys Leu Asp Leu Glu Ala Ser Leu Phe Lys Ser Phe
 20 25 30

Gln Trp Leu Pro Phe Val Leu Arg Lys Lys Cys Asn Phe Phe Cys Trp
 35 40 45

Asp Ser Ser Ala His Ser Leu Pro Leu His Pro Leu Ser Ala Ser Cys
 50 55 60

Ser Ala Pro Ala Cys His Ala Ser Asp Thr His Leu Leu Tyr Pro Ser
 65 70 75 80

Thr Arg Ala Leu Cys Pro Ser Ile Phe Ala Trp Leu Val Ala Pro His

	85		90		95
Ser Val Phe Arg Thr Asn Ala Pro Gly Pro Thr Pro Ser Ser Gln Ser					
	100		105		110
Ser Pro Val Phe Pro Val Phe Pro Val Ser Phe Met Ala Leu Ile Val					
	115		120		125
Cys Xaa Leu Val Cys Cys					
	130				

<210> 1057
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 1057
 Met Ala Ser Ser Val Pro Ala Gly Gly His Thr Arg Ala Gly Gly Ile
 1 5 10 15
 Phe Leu Ile Gly Lys Leu Asp Leu Glu Ala Ser Leu Phe Lys Ser Phe
 20 25 30
 Gln Trp Leu Pro Phe Val Leu Arg Lys Lys Cys Asn Phe Phe Cys Trp
 35 40 45
 Asp Ser Ser Ala His Ser Leu Pro Leu His Pro Leu Ser Ala Ser Cys
 50 55 60
 Ser Ala Pro Ala Cys His Ala
 65 70

<210> 1058
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1058
 Phe Ala Trp Leu Val Ala Pro His Ser Val Phe Arg Thr Asn Ala Pro
 1 5 10 15
 Gly Pro Thr Pro Ser Ser Gln Ser Ser Pro Val Phe Pro Val Phe Pro
 20 25 30
 Val Ser Phe Met Ala Leu Ile Val Cys Xaa Leu Val Cys Cys
 35 40 45

<210> 1059
 <211> 134
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1059

Met Ala Ser Ser Val Pro Ala Gly Gly His Thr Arg Ala Gly Gly Ile
1 5 10 15

Phe Leu Ile Gly Lys Leu Asp Leu Glu Ala Ser Leu Phe Lys Ser Phe
20 25 30

Gln Trp Leu Pro Phe Val Leu Arg Lys Lys Cys Asn Phe Phe Cys Trp
35 40 45

Asp Ser Ser Ala His Ser Leu Pro Leu His Pro Leu Ser Ala Ser Cys
50 55 60

Ser Ala Pro Ala Cys His Ala Ser Asp Thr His Leu Leu Tyr Pro Ser
65 70 75 80

Thr Arg Ala Leu Cys Pro Ser Ile Phe Ala Trp Leu Val Ala Pro His
85 90 95

Ser Val Phe Arg Thr Asn Ala Pro Gly Pro Thr Pro Ser Ser Gln Ser
100 105 110

Ser Pro Val Phe Pro Val Phe Pro Val Ser Phe Met Ala Leu Ile Val
115 120 125

Cys Xaa Leu Val Cys Cys
130

<210> 1060

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1060

Leu Val Asn Trp Ile Leu Lys Leu His Cys Leu Asn Leu Phe Ser Gly
1 5 10 15

Phe Pro Leu Tyr Leu Glu Lys Asn Ala Thr Ser Ser Ala Gly Thr His
20 25 30

Pro Leu Thr Ala Phe Pro Ser Thr Leu Ser Leu Pro His Ala Leu Pro
35 40 45

Leu Pro Ala Met Pro Pro Ile Leu Thr Phe Cys Thr Pro Ala Pro Val
50 55 60

Pro Ser Ala Pro Arg Ser Leu Pro Gly Trp Leu Leu Leu Thr Gln Cys
65 70 75 80

Ser Gly Gln Met Leu Leu Ala Leu Pro His Leu Ala Ser Leu Ala Arg
85 90 95

Ser Ser Leu Ser Ser Leu Phe His Ser Trp Leu Leu Leu Phe Val Xaa
100 105 110

Leu Cys Ala Val Asp Phe
115

<210> 1061

<211> 23

<212> PRT

<213> Homo sapiens

<400> 1061

Asn Leu Phe Ser Gly Phe Pro Leu Tyr Leu Glu Lys Asn Ala Thr Ser
1 5 10 15

Ser Ala Gly Thr His Pro Leu
20

<210> 1062

<211> 21

<212> PRT

<213> Homo sapiens

<400> 1062

Pro His Leu Ala Ser Leu Ala Arg Ser Ser Leu Ser Ser Leu Phe His
1 5 10 15

Ser Trp Leu Leu Leu
20

<210> 1063

<211> 286

<212> PRT

<213> Homo sapiens

<400> 1063

Met Ala Met Glu Gly Tyr Trp Arg Phe Leu Ala Leu Leu Gly Ser Ala
1 5 10 15

Leu Leu Val Gly Phe Leu Ser Val Ile Phe Ala Leu Val Trp Val Leu
20 25 30

His Tyr Arg Glu Gly Leu Gly Trp Asp Gly Ser Ala Leu Glu Phe Asn
35 40 45

Trp His Pro Val Leu Met Val Thr Gly Phe Val Phe Ile Gln Gly Ile
50 55 60

Ala	Ile	Ile	Val	Tyr	Arg	Leu	Pro	Trp	Thr	Trp	Lys	Cys	Ser	Lys	Leu
65					70					75					80
Leu	Met	Lys	Ser	Ile	His	Ala	Gly	Leu	Asn	Ala	Val	Ala	Ala	Ile	Leu
				85					90					95	
Ala	Ile	Ile	Ser	Val	Val	Ala	Val	Phe	Glu	Asn	His	Asn	Val	Asn	Asn
			100					105					110		
Ile	Ala	Asn	Met	Tyr	Ser	Leu	His	Ser	Trp	Val	Gly	Leu	Ile	Ala	Val
		115					120					125			
Ile	Cys	Tyr	Leu	Leu	Gln	Leu	Leu	Ser	Gly	Phe	Ser	Val	Phe	Leu	Leu
	130					135					140				
Pro	Trp	Ala	Pro	Leu	Ser	Leu	Arg	Ala	Phe	Leu	Met	Pro	Ile	His	Val
145					150					155					160
Tyr	Ser	Gly	Ile	Val	Ile	Phe	Gly	Thr	Val	Ile	Ala	Thr	Ala	Leu	Met
			165						170					175	
Gly	Leu	Thr	Glu	Lys	Leu	Ile	Phe	Ser	Leu	Arg	Asp	Pro	Ala	Tyr	Ser
			180					185					190		
Thr	Phe	Pro	Pro	Glu	Gly	Val	Phe	Val	Asn	Thr	Leu	Gly	Leu	Leu	Ile
		195					200					205			
Leu	Val	Phe	Gly	Ala	Leu	Ile	Phe	Trp	Ile	Val	Thr	Arg	Pro	Gln	Trp
	210					215					220				
Lys	Arg	Pro	Lys	Glu	Pro	Asn	Ser	Thr	Ile	Leu	His	Pro	Asn	Gly	Gly
225					230					235					240
Thr	Glu	Gln	Gly	Ala	Arg	Gly	Ser	Met	Pro	Ala	Tyr	Ser	Gly	Asn	Asn
			245						250					255	
Met	Asp	Lys	Ser	Asp	Ser	Glu	Leu	Asn	Ser	Glu	Val	Ala	Ala	Arg	Lys
		260						265					270		
Arg	Asn	Leu	Ala	Leu	Asp	Glu	Ala	Gly	Gln	Arg	Ser	Thr	Met		
	275						280					285			

<210> 1064

<211> 16

<212> PRT

<213> Homo sapiens

<400> 1064

Ala	His	Ala	Ser	Ala	His	Ala	Ser	Gly	Gly	Ala	Glu	Tyr	Gly	Ala	Leu
1				5					10					15	

<210> 1065

<211> 116

<212> PRT

<213> Homo sapiens

<400> 1065

Gln Tyr Ser Gln Tyr Val Gln Ser Ala Gln Leu Gly Trp Thr Asp Ser
 1 5 10 15

Cys His Met Leu Phe Val Thr Ala Ser Phe Arg Phe Phe Ser Leu Ser
 20 25 30

Ala Ser Met Gly Ser Ala Phe Ser Pro Ser Ile Ser His Ala His Thr
 35 40 45

Cys Leu Phe Trp Asn Cys His Leu Trp Asn Ser Asp Cys Asn Ser Thr
 50 55 60

Tyr Gly Ile Asp Arg Glu Thr Asp Phe Phe Pro Glu Arg Ser Cys Ile
 65 70 75 80

Gln Tyr Ile Pro Ala Arg Arg Cys Phe Arg Lys Tyr Ala Trp Pro Ser
 85 90 95

Asp Pro Gly Val Arg Gly Pro His Phe Leu Asp Ser His Gln Thr Ala
 100 105 110

Met Glu Thr Ser
 115

<210> 1066

<211> 34

<212> PRT

<213> Homo sapiens

<400> 1066

Ala Ser Met Gly Ser Ala Phe Ser Pro Ser Ile Ser His Ala His Thr
 1 5 10 15

Cys Leu Phe Trp Asn Cys His Leu Trp Asn Ser Asp Cys Asn Ser Thr
 20 25 30

Tyr Gly

<210> 1067

<211> 119

<212> PRT

<213> Homo sapiens

<400> 1067

Phe Val His Val Val Ala Arg Val Gly Trp His Gly Thr Ser Cys Ser
 1 5 10 15

Leu Phe Ser Ala Ser Ile Trp Met Lys Asn Gly Arg Ile Trp Leu Leu
 20 25 30

Arg Thr Phe Pro Leu Arg Ser Gly Asp Tyr Pro Lys Asn Glu Gly Pro

35

40

45

Glu His Gln Asp Gln Lys Ala Lys Arg Ile Tyr Glu Asn Thr Phe Trp
50 55 60

Arg Glu Cys Thr Val Cys Arg Ile Ser Gln Gly Lys Asn Gln Phe Leu
65 70 75 80

Cys Gln Ser His Lys Cys Cys Cys Asn His Cys Ser Lys Asp Asp Asn
85 90 95

Ser Arg Ile Asn Met Tyr Gly His Glu Lys Cys Ser Glu Arg Lys Arg
100 105 110

Ser Pro Trp Lys Gln Lys Asp
115

<210> 1068

<211> 32

<212> PRT

<213> Homo sapiens

<400> 1068

Ala Ser Ile Trp Met Lys Asn Gly Arg Ile Trp Leu Leu Arg Thr Phe
1 5 10 15

Pro Leu Arg Ser Gly Asp Tyr Pro Lys Asn Glu Gly Pro Glu His Gln
20 25 30

<210> 1069

<211> 43

<212> PRT

<213> Homo sapiens

<400> 1069

Pro Gly Arg Ala Gly Pro Ser Pro Gly Leu Ser Leu Gln Leu Pro Ala
1 5 10 15

Glu Pro Gly His Pro Ala Gly Asn Leu Ala Pro Leu Thr Ser Arg Pro
20 25 30

Gln Pro Leu Cys Arg Ile Pro Ala Val Pro Gly
35 40

<210> 1070

<211> 42

<212> PRT

<213> Homo sapiens

<400> 1070

Ala Arg Gly Arg Arg Arg Gly Arg Leu Glu Leu Trp Glu Leu Cys Leu
1 5 10 15

Pro Leu Gly Cys Arg Arg Arg Arg Ser Leu Thr Met Ala Pro Gln Ser
 20 25 30

Leu Pro Ser Ser Arg Met Ala Pro Leu Gly
 35 40

<210> 1071

<211> 351

<212> PRT

<213> Homo sapiens

<400> 1071

Asn Gly Gln Ala Ser Thr Ala Lys Met Ser Ser Cys Leu Arg Ser Pro
 1 5 10 15

Pro Thr Leu Ala Pro Leu Ser Leu Thr Ser Gly Ile Pro Val Gln Ser
 20 25 30

Trp Cys Gly Ala Ser Ser Gln Leu Leu Gln Gln Ala Val Asp Arg Ala
 35 40 45

Gln Gln Leu Leu Glu Val Ala Leu Val Leu Thr Ile Leu Gln Leu Gln
 50 55 60

Ala Gly Gln His Leu Val Leu Ser Leu Gln Ala Gly Gln Cys Pro Ala
 65 70 75 80

Glu Leu Gly Val Leu Thr Val Ala Val Pro Ala Gly Gly Gln Glu Asp
 85 90 95

Ala Gln Cys Leu Gln His Leu Leu Thr Gly Ile Met Leu Gly Gln Arg
 100 105 110

Gln Glu Val Gly Arg Asp Leu Ala Pro Ala Leu Phe Pro Gln Ala Trp
 115 120 125

Gln Glu Val Tyr Leu Ala Ile Leu Leu Gln Leu Leu Trp Gly His Leu
 130 135 140

Leu Gly Gln Leu Ser Leu Leu Leu Gly Glu His Leu Leu Arg Asp Gln
 145 150 155 160

Val Val Glu Gln Cys Asp His Ala His Gly Glu His Leu Arg Ala Leu
 165 170 175

Leu Leu His Gln Gly Pro Gln Asp Leu Gln Pro Pro Glu Leu Gln Glu
 180 185 190

Leu Pro Leu Gly Ile Gly Glu Val Ala Gln Gln Gly Ala Gln Cys Lys
 195 200 205

Gln Asp Leu Leu Leu Cys Ser Glu Arg Leu Leu Arg Gly Gln Asp Asp
 210 215 220

Gln Gln Leu Leu Gln Gly Ser Pro Phe Asp Gly Leu His Leu Asp Leu
 225 230 235 240

Gly Val Ala Gly Lys Gly Ser Ala Gln His Lys Arg Ser Ile Leu Leu
245 250 255

His Glu Gly Leu Cys Ala Val Gln Pro Ile Asp His His Leu Lys Thr
260 265 270

Thr Lys Gly Lys Gln Val Leu Arg Ile Val His Leu Met Asp Ile Ile
275 280 285

Phe Lys Ile Lys Glu Arg Ser Asn Leu Leu Phe Gln Thr Gly Ala Gly
290 295 300

Thr Ile Glu Leu Val Asp Gln Pro Tyr His Asp Leu His Val Ser Leu
305 310 315 320

Asn Asp Asn Ile Gln Leu Ile Lys Val Phe Leu Gln Phe Leu Asn Gly
325 330 335

Ala Glu Glu Pro Leu Tyr Leu Ser Leu Pro Cys Leu Val Phe Leu
340 345 350

<210> 1072

<211> 33

<212> PRT

<213> Homo sapiens

<400> 1072

Gln His Leu Val Leu Ser Leu Gln Ala Gly Gln Cys Pro Ala Glu Leu
1 5 10 15

Gly Val Leu Thr Val Ala Val Pro Ala Gly Gly Gln Glu Asp Ala Gln
20 25 30

Cys

<210> 1073

<211> 26

<212> PRT

<213> Homo sapiens

<400> 1073

Gln Leu Ser Leu Leu Leu Gly Glu His Leu Leu Arg Asp Gln Val Val
1 5 10 15

Glu Gln Cys Asp His Ala His Gly Glu His
20 25

<210> 1074

<211> 32

<212> PRT

<213> Homo sapiens

<400> 1074

Gly Ser Pro Phe Asp Gly Leu His Leu Asp Leu Gly Val Ala Gly Lys
 1 5 10 15

Gly Ser Ala Gln His Lys Arg Ser Ile Leu Leu His Glu Gly Leu Cys
 20 25 30

<210> 1075

<211> 30

<212> PRT

<213> Homo sapiens

<400> 1075

His Leu Met Asp Ile Ile Phe Lys Ile Lys Glu Arg Ser Asn Leu Leu
 1 5 10 15

Phe Gln Thr Gly Ala Gly Thr Ile Glu Leu Val Asp Gln Pro
 20 25 30

<210> 1076

<211> 126

<212> PRT

<213> Homo sapiens

<400> 1076

Asp Glu Pro Cys Pro Pro Pro Ala Ala Ser Cys Ala Pro Pro Ser Trp
 1 5 10 15

Arg Met Glu Leu Arg Thr Gly Ser Val Gly Ser Gln Ala Val Ala Arg
 20 25 30

Arg Met Asp Gly Asp Ser Arg Asp Gly Gly Gly Gly Lys Asp Ala Thr
 35 40 45

Gly Ser Glu Asp Tyr Glu Asn Leu Pro Thr Ser Ala Ser Val Ser Thr
 50 55 60

His Met Thr Ala Gly Ala Met Ala Gly Ile Leu Glu His Ser Val Met
 65 70 75 80

Tyr Pro Val Asp Ser Val Lys Thr Arg Met Gln Ser Leu Ser Pro Asp
 85 90 95

Pro Lys Ala Gln Tyr Thr Ser Ile Tyr Gly Ala Leu Lys Lys Ile Met
 100 105 110

Arg Thr Glu Ala Ser Gly Gly Pro Cys Glu Ala Ser Thr Ser
 115 120 125

<210> 1077

<211> 34

<212> PRT

<213> Homo sapiens

<400> 1077

Arg Met Glu Leu Arg Thr Gly Ser Val Gly Ser Gln Ala Val Ala Arg
 1 5 10 15

Arg Met Asp Gly Asp Ser Arg Asp Gly Gly Gly Lys Asp Ala Thr
 20 25 30

Gly Ser

<210> 1078

<211> 27

<212> PRT

<213> Homo sapiens

<400> 1078

Pro Val Asp Ser Val Lys Thr Arg Met Gln Ser Leu Ser Pro Asp Pro
 1 5 10 15

Lys Ala Gln Tyr Thr Ser Ile Tyr Gly Ala Leu
 20 25

<210> 1079

<211> 424

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (152)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (314)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (359)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1079

Met Lys Leu Leu Gly Glu Cys Ser Ser Ser Ile Asp Ser Val Lys Arg
 1 5 10 15

Leu Glu His Lys Leu Lys Glu Glu Glu Glu Ser Leu Pro Gly Phe Val
 20 25 30

Asn Leu His Ser Thr Glu Thr Gln Thr Ala Gly Val Ile Asp Arg Trp
 35 40 45

Glu Leu Leu Gln Ala Gln Ala Leu Ser Lys Glu Leu Arg Met Lys Gln
 50 55 60

Asn Leu Gln Lys Trp Gln Gln Phe Asn Ser Asp Leu Asn Ser Ile Trp
 65 70 75 80
 Ala Trp Leu Gly Asp Thr Glu Glu Glu Leu Glu Gln Leu Gln Arg Leu
 85 90 95
 Glu Leu Ser Thr Asp Ile Gln Thr Ile Glu Leu Gln Ile Lys Lys Leu
 100 105 110
 Lys Glu Leu Gln Lys Ala Val Asp His Arg Lys Ala Ile Ile Leu Ser
 115 120 125
 Ile Asn Leu Cys Ser Pro Glu Phe Thr Gln Ala Asp Ser Lys Glu Ser
 130 135 140
 Arg Asp Leu Gln Asp Arg Leu Xaa Gln Met Asn Gly Arg Trp Asp Arg
 145 150 155 160
 Val Cys Ser Leu Leu Glu Glu Trp Arg Gly Leu Leu Gln Asp Ala Leu
 165 170 175
 Met Gln Cys Gln Gly Phe His Glu Met Ser His Gly Leu Leu Leu Met
 180 185 190
 Leu Glu Asn Ile Asp Arg Arg Lys Asn Glu Ile Val Pro Ile Asp Ser
 195 200 205
 Asn Leu Asp Ala Glu Ile Leu Gln Asp His His Lys Gln Leu Met Gln
 210 215 220
 Ile Lys His Glu Leu Leu Glu Ser Gln Leu Arg Val Ala Ser Leu Gln
 225 230 235 240
 Asp Met Ser Cys Gln Leu Leu Val Asn Ala Glu Gly Thr Asp Cys Leu
 245 250 255
 Glu Ala Lys Glu Lys Val His Val Ile Gly Asn Arg Leu Lys Leu Leu
 260 265 270
 Leu Lys Glu Val Ser Arg His Ile Lys Glu Leu Glu Lys Leu Leu Asp
 275 280 285
 Val Ser Ser Ser Gln Gln Asp Leu Ser Ser Trp Ser Ser Ala Asp Glu
 290 295 300
 Leu Asp Thr Ser Gly Ser Val Ser Pro Xaa Ser Gly Arg Ser Thr Pro
 305 310 315 320
 Asn Arg Gln Lys Thr Pro Arg Gly Lys Cys Ser Leu Ser Gln Pro Gly
 325 330 335
 Pro Ser Val Ser Ser Pro His Ser Arg Ser Thr Lys Gly Gly Ser Asp
 340 345 350
 Ser Ser Leu Ser Glu Pro Xaa Pro Gly Arg Ser Gly Arg Gly Phe Leu
 355 360 365
 Phe Arg Val Leu Arg Ala Ala Leu Pro Leu Gln Leu Leu Leu Leu

370

375

380

Leu Ile Gly Leu Ala Cys Leu Val Pro Met Ser Glu Glu Asp Tyr Ser
 385 390 395 400

Cys Ala Leu Ser Asn Asn Phe Ala Arg Ser Phe His Pro Met Leu Arg
 405 410 415

Tyr Thr Asn Gly Pro Pro Pro Leu
 420

<210> 1080

<211> 110

<212> PRT

<213> Homo sapiens

<400> 1080

Met Lys Leu Leu Gly Glu Cys Ser Ser Ser Ile Asp Ser Val Lys Arg
 1 5 10 15

Leu Glu His Lys Leu Lys Glu Glu Glu Glu Ser Leu Pro Gly Phe Val
 20 25 30

Asn Leu His Ser Thr Glu Thr Gln Thr Ala Gly Val Ile Asp Arg Trp
 35 40 45

Glu Leu Leu Gln Ala Gln Ala Leu Ser Lys Glu Leu Arg Met Lys Gln
 50 55 60

Asn Leu Gln Lys Trp Gln Gln Phe Asn Ser Asp Leu Asn Ser Ile Trp
 65 70 75 80

Ala Trp Leu Gly Asp Thr Glu Glu Glu Leu Glu Gln Leu Gln Arg Leu
 85 90 95

Glu Leu Ser Thr Asp Ile Gln Thr Ile Glu Leu Gln Ile Lys
 100 105 110

<210> 1081

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1081

Lys Leu Lys Glu Leu Gln Lys Ala Val Asp His Arg Lys Ala Ile Ile
 1 5 10 15

Leu Ser Ile Asn Leu Cys Ser Pro Glu Phe Thr Gln Ala Asp Ser Lys
 20 25 30

Glu Ser Arg Asp Leu Gln Asp Arg Leu Xaa Gln Met Asn Gly Arg Trp

35	40	45
Asp Arg Val Cys Ser Leu Leu Glu Glu Trp Arg Gly Leu Leu Gln Asp		
50	55	60
Ala Leu Met Gln Cys Gln Gly Phe His Glu Met Ser His Gly Leu Leu		
65	70	75 80
Leu Met Leu Glu Asn Ile Asp Arg Arg Lys Asn Glu Ile Val Pro Ile		
	85 90	95
Asp Ser Asn Leu Asp Ala Glu Ile Leu Gln Asp His His Lys Gln Leu		
100	105	110
Met Gln Ile Lys His Glu Leu Leu Glu Ser Gln Leu Arg Val Ala Ser		
115	120	125
Leu Gln Asp Met Ser Cys Gln Leu		
130	135	

<210> 1082

<211> 105

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1082

Gln Asp Met Ser Cys Gln Leu Leu Val Asn Ala Glu Gly Thr Asp Cys
1 5 10 15

Leu Glu Ala Lys Glu Lys Val His Val Ile Gly Asn Arg Leu Lys Leu
20 25 30

Leu Leu Lys Glu Val Ser Arg His Ile Lys Glu Leu Glu Lys Leu Leu
35 40 45

Asp Val Ser Ser Ser Gln Gln Asp Leu Ser Ser Trp Ser Ser Ala Asp
50 55 60

Glu Leu Asp Thr Ser Gly Ser Val Ser Pro Xaa Ser Gly Arg Ser Thr
65 70 75 80

Pro Asn Arg Gln Lys Thr Pro Arg Gly Lys Cys Ser Leu Ser Gln Pro
85 90 95

Gly Pro Ser Val Ser Ser Pro His Ser
100 105

<210> 1083

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1083

Asp Ser Ser Leu Ser Glu Pro Xaa Pro Gly Arg Ser Gly Arg Gly Phe
 1 5 10 15

Leu Phe Arg Val Leu Arg Ala Ala Leu Pro Leu Gln Leu Leu Leu Leu
 20 25 30

Leu Leu Ile Gly Leu Ala Cys Leu Val Pro Met Ser Glu Glu Asp Tyr
 35 40 45

Ser Cys Ala Leu Ser Asn Asn Phe Ala Arg Ser Phe His Pro Met Leu
 50 55 60

Arg Tyr Thr Asn Gly Pro Pro Pro Leu
 65 70

<210> 1084

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1084

Gln Arg Phe Leu Pro Pro Gly Ser Cys Xaa Leu Ile Arg Gly Pro Gln
 1 5 10 15

Cys Pro Arg Val Thr Asp Pro Thr Thr Gly Gln Ser Leu Asp Asp Ser
 20 25 30

Arg Phe Gln Ile Gln Gln Thr Glu Asn Ile Ile Arg Ser Lys Thr Pro
 35 40 45

Thr Gly Pro Glu Leu Asp Thr Ser Tyr Lys Gly Tyr
 50 55 60

<210> 1085

<211> 215

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1085

Ser Ile Ser Ala Ser Arg Leu Glu Ser Ile Gly Thr Ile Ser Phe Phe
1 5 10 15

Leu Leu Ser Met Phe Ser Ser Ile Arg Ser Lys Pro Trp Leu Ile Ser
20 25 30

Trp Lys Pro Trp His Cys Ile Arg Ala Ser Cys Ser Arg Pro Arg His
35 40 45

Ser Ser Ser Arg Glu His Thr Arg Ser Gln Arg Pro Phe Ile Cys Xaa
50 55 60

Lys Arg Ser Cys Arg Ser Arg Leu Ser Leu Leu Ser Ala Trp Val Asn
65 70 75 80

Ser Gly Leu Gln Arg Leu Met Glu Arg Met Met Ala Leu Arg Trp Ser
85 90 95

Thr Ala Phe Trp Ser Ser Leu Ser Phe Leu Ile Trp Ser Ser Met Val
100 105 110

Trp Met Ser Val Leu Ser Ser Arg Arg Trp Ser Cys Ser Asn Ser Ser
115 120 125

Ser Val Ser Pro Ser Gln Ala Gln Met Leu Phe Lys Ser Glu Leu Asn
130 135 140

Cys Cys His Phe Trp Arg Phe Cys Phe Ile Leu Asn Ser Leu Leu Asn
145 150 155 160

Ala Trp Ala Trp Arg Ser Ser His Arg Ser Ile Thr Pro Ala Val Trp
165 170 175

Val Ser Val Leu Cys Arg Leu Thr Lys Pro Gly Arg Leu Ser Ser Ser
180 185 190

Ser Phe Ser Leu Cys Ser Ser Leu Phe Thr Glu Ser Ile Leu Leu Leu
195 200 205

His Ser Pro Ser Ser Phe Met
210 215

<210> 1086

<211> 35

<212> PRT

<213> Homo sapiens

<400> 1086

Thr Ala Phe Trp Ser Ser Leu Ser Phe Leu Ile Trp Ser Ser Met Val
1 5 10 15

Trp Met Ser Val Leu Ser Ser Arg Arg Trp Ser Cys Ser Asn Ser Ser
20 25 30

Ser Val Ser
35

<210> 1087
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 1087
 Leu Leu Asn Ala Trp Ala Trp Arg Ser Ser His Arg Ser Ile Thr Pro
 1 5 10 15
 Ala Val Trp Val Ser Val Leu Cys Arg Leu
 20 25

<210> 1088
 <211> 171
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (94)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1088
 Leu Ala Arg His Val Leu Gln Arg Gly Tyr Ser Glu Leu Gly Phe Gln
 1 5 10 15
 Gln Leu Met Leu Tyr Leu His Lys Leu Phe Val Met Val Leu Lys Tyr
 20 25 30
 Leu Cys Ile Lys Val Arg Ile Asn Arg Asp Asn Phe Ile Phe Pro Ser
 35 40 45
 Val Asn Val Leu Gln His Lys Lys Gln Thr Met Ala His Phe Met Glu
 50 55 60
 Thr Leu Ala Leu His Gln Gly Ile Leu Gln Gln Ala Pro Pro Leu Leu
 65 70 75 80
 Gln Gln Arg Ala His Ser Val Pro Ala Pro Ile His Leu Xaa Gln Ala
 85 90 95
 Ile Leu Gln Val Pro Ala Leu Leu Ala Val Ser Leu Gly Glu Leu Arg
 100 105 110
 Ala Ala Glu Ile Asp Gly Glu Asp Asp Gly Phe Ala Val Val His Ser
 115 120 125
 Phe Leu Glu Leu Leu Glu Leu Phe Asp Leu Glu Leu Asp Gly Leu Asp
 130 135 140
 Val Ser Ala Glu Phe Gln Thr Leu Glu Leu Phe Gln Leu Leu Leu Arg
 145 150 155 160
 Val Pro Gln Pro Gly Pro Asp Ala Val Gln Val
 165 170

<210> 1089
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 1089
 Tyr Ser Glu Leu Gly Phe Gln Gln Leu Met Leu Tyr Leu His Lys Leu
 1 5 10 15
 Phe Val Met Val Leu Lys Tyr Leu Cys Ile Lys Val
 20 25

<210> 1090
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 1090
 Val His Ser Phe Leu Glu Leu Leu Glu Leu Phe Asp Leu Glu Leu Asp
 1 5 10 15
 Gly Leu Asp Val Ser Ala Glu Phe Gln Thr Leu Glu Leu
 20 25

<210> 1091
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 1091
 Ala Met Val Cys Phe Leu Cys Trp Arg Thr Leu Thr Glu Gly Lys
 1 5 10 15

<210> 1092
 <211> 97
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (73)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1092
 Gly Ala Gly Val Gly Thr Ala Met Pro Arg Val Pro Gln Ser Ala Gly
 1 5 10 15
 Gly Ala Val Thr Trp Trp Gly Val Gly Leu Ser Gln Pro Ser Ser Val
 20 25 30

Gln Gly Gly Ala Arg Pro Gly Thr Val Pro Gly Thr Pro Gly Pro Leu
 35 40 45

Pro Gly Leu Ser Pro Ala Pro Pro Pro Gln His Pro Pro Pro Leu Pro

50 55 60

Lys Leu Phe Leu Leu Cys Leu Ser Xaa Ser Leu Pro Gln Asp Phe Ser
65 70 75 80

Leu Leu Leu Cys Leu Ser Leu Asp Pro Cys Pro Ser Ser Thr Ser Asp
85 90 95

Leu

<210> 1093
<211> 30
<212> PRT
<213> Homo sapiens

<400> 1093
Gly Thr Val Pro Gly Thr Pro Gly Pro Leu Pro Gly Leu Ser Pro Ala
1 5 10 15

Pro Pro Pro Gln His Pro Pro Pro Leu Pro Lys Leu Phe Leu
20 25 30

<210> 1094
<211> 158
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (136)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1094
Ala Pro Ser Arg Cys Arg Arg Ser Val Val Gln Val Pro Tyr Ser Ala
1 5 10 15

Phe Ser Ser Cys Ser Trp Thr Pro Thr Ala Leu Arg Arg Gly Val Leu
20 25 30

Leu Tyr Ala Gly Leu Ser Thr Ser Ser Ala Ser Lys Ala Gln Gly Trp
35 40 45

His Cys Leu Gly Leu Glu Tyr Pro Ser Gly Ala Ile Met Glu Val Arg
50 55 60

Gly Arg Gly Gly Asp Arg Tyr Ala Gln Gly Pro Ser Lys Cys Trp Arg
65 70 75 80

Gly Cys Xaa Leu Val Gly Ser Gly Ser Val Thr Ala Ile Leu Cys Pro
85 90 95

Gly Trp Gly Lys Ala Trp Asp Ser Ala Arg His Pro Arg Thr Pro Ser
 100 105 110

Arg Leu Val Ser Cys Ser Thr Ala Ser Thr Pro Pro Thr Pro Ala Gln
 115 120 125

Ala Val Ser Pro Leu Pro Leu Xaa Phe Pro Ala Pro Gly Leu Leu Ser
 130 135 140

Ser Pro Leu Pro Leu Leu Gly Pro Leu Pro Phe Leu Tyr Leu
 145 150 155

<210> 1095

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1095

Thr Ala Leu Arg Arg Gly Val Leu Leu Tyr Ala Gly Leu Ser Thr Ser
 1 5 10 15

Ser Ala Ser Lys Ala Gln Gly Trp His Cys Leu Gly Leu Glu Tyr Pro
 20 25 30

Ser Gly Ala Ile Met
 35

<210> 1096

<211> 33

<212> PRT

<213> Homo sapiens

<400> 1096

Ala Ile Leu Cys Pro Gly Trp Gly Lys Ala Trp Asp Ser Ala Arg His
 1 5 10 15

Pro Arg Thr Pro Ser Arg Leu Val Ser Cys Ser Thr Ala Ser Thr Pro
 20 25 30

Pro

<210> 1097

<211> 112

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1097

Pro Pro Val Phe Met Ala Ser His Arg Pro Xaa Gly Met Glu Pro Gly
1 5 10 15

Glu Trp Arg Phe Val Leu Val His Ile Ala Phe Xaa Cys Ala Trp Asp
20 25 30

Leu Val Cys Glu His Val Ser Val Cys Ser Gln Val Arg Gly Arg Gly
35 40 45

Arg Ala Gly Val Gln Gly Glu Ala Glu Glu Lys Arg Glu Val Leu Gly
50 55 60

Gln Gly Xaa Arg Glu Ala Glu Glu Lys Gln Leu Gly Gln Gly Trp Gly
65 70 75 80

Val Leu Arg Arg Trp Ser Arg Arg Gln Ala Trp Lys Gly Ser Trp Gly
85 90 95

Ala Trp His Cys Pro Arg Pro Cys Pro Thr Leu Asp Arg Gly Trp Leu
100 105 110

<210> 1098

<211> 29

<212> PRT

<213> Homo sapiens

<400> 1098

His Val Ser Val Cys Ser Gln Val Arg Gly Arg Gly Arg Ala Gly Val
1 5 10 15

Gln Gly Glu Ala Glu Glu Lys Arg Glu Val Leu Gly Gln
20 25

<210> 1099

<211> 56

<212> PRT

<213> Homo sapiens

<400> 1099

Met Lys Leu Leu Ile Cys Gly Asn Tyr Leu Ala Pro Ser His Ser Glu
1 5 10 15

Ser Ser Arg Arg Cys Cys Leu Leu Cys Phe Tyr Pro Leu Cys Leu Glu
20 25 30

Ile Asn Phe Gly Met Lys Val Phe Leu Ser Met Pro Phe Leu Val Leu
 35 40 45

Phe Gln Ser Leu Ile Gln Glu Asp
 50 55

<210> 1100

<211> 50

<212> PRT

<213> Homo sapiens

<400> 1100

Phe Ser Ser Pro Gln Gly Leu Lys Phe Arg Ser Lys Ser Ser Leu Ala
 1 5 10 15

Asn Tyr Leu His Lys Asn Gly Glu Thr Ser Leu Lys Pro Glu Asp Phe
 20 25 30

Asp Phe Thr Val Leu Ser Lys Arg Gly Ile Lys Ser Arg Tyr Lys Asp
 35 40 45

Cys Ser
 50

<210> 1101

<211> 137

<212> PRT

<213> Homo sapiens

<400> 1101

Glu Leu Leu Cys Tyr Ile Cys Trp Lys Asn Thr Gly Leu Phe Ser Phe
 1 5 10 15

Phe Leu Ser Val Phe Arg Gly Met Val Ser Ser Val Lys Ser Phe Leu
 20 25 30

Val Gly Glu Gln Leu Leu Ser Ile Ser Glu Pro Arg Phe Lys Met Ser
 35 40 45

Val Cys Lys Cys Ser Phe Leu Ser Thr Thr Ser Thr Phe Val Pro Ile
 50 55 60

Ser Ser Asp Ser Lys Lys Val Ser Ser Tyr Phe Ser Leu Cys Ser Glu
 65 70 75 80

Ser Leu Ala Glu Gln Asn Leu Phe Met Met Pro Glu Val Phe Cys Ser
 85 90 95

Glu Gln Lys Phe Asp Pro Glu Leu Asn Asp Leu Ser Phe Phe Phe Thr
 100 105 110

Arg Leu Phe Ser Ser Leu Val Thr Leu Arg Val Ser Pro His Ala Pro
 115 120 125

Ala Ser Glu Met Gln Thr Val Leu Ser

130

135

<210> 1102
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 1102
 Thr Phe Val Pro Ile Ser Ser Asp Ser Lys Lys Val Ser Ser Tyr Phe
 1 5 10 15
 Ser Leu Cys Ser Glu Ser Leu Ala Glu Gln Asn Leu Phe Met Met Pro
 20 25 30
 Glu Val Phe Cys
 35

<210> 1103
 <211> 271
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (231)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1103
 Arg Ile Leu Leu Val Lys Tyr Ser Ala Asn Glu Glu Asn Lys Tyr Asp
 1 5 10 15
 Tyr Leu Pro Thr Thr Val Asn Val Cys Ser Glu Leu Val Lys Leu Val
 20 25 30
 Phe Cys Val Leu Val Ser Phe Cys Val Ile Lys Lys Asp His Gln Ser
 35 40 45
 Arg Asn Leu Lys Tyr Ala Ser Trp Lys Glu Phe Ser Asp Phe Met Lys
 50 55 60
 Trp Ser Ile Pro Ala Phe Leu Tyr Phe Leu Asp Asn Leu Ile Val Phe
 65 70 75 80
 Tyr Val Leu Ser Tyr Leu Gln Pro Ala Met Ala Val Ile Phe Ser Asn
 85 90 95
 Phe Ser Ile Ile Thr Thr Ala Leu Leu Phe Arg Ile Val Leu Lys Xaa
 100 105 110
 Arg Leu Asn Trp Ile Gln Trp Ala Ser Leu Leu Thr Leu Phe Leu Ser
 115 120 125

Ile Val Ala Leu Thr Ala Gly Thr Lys Thr Leu Gln His Asn Leu Ala
130 135 140

Gly Arg Gly Phe His His Asp Ala Phe Phe Ser Pro Ser Asn Ser Cys
145 150 155 160

Leu Leu Phe Arg Asn Glu Cys Pro Arg Lys Asp Asn Cys Thr Ala Lys
165 170 175

Glu Trp Thr Phe Pro Glu Ala Lys Trp Asn Thr Thr Ala Arg Val Phe
180 185 190

Ser His Ile Arg Leu Gly Met Gly His Val Leu Ile Ile Val Gln Cys
195 200 205

Phe Ile Ser Ser Met Ala Asn Ile Tyr Asn Glu Lys Ile Leu Lys Glu
210 215 220

Gly Asn Gln Leu Thr Glu Xaa Ile Phe Ile Gln Asn Ser Lys Leu Tyr
225 230 235 240

Phe Phe Gly Ile Leu Phe Asn Gly Leu Thr Leu Gly Leu Gln Arg Ser
245 250 255

Asn Arg Asp Gln Ile Lys Asn Cys Gly Phe Phe Tyr Gly His Ser
260 265 270

<210> 1104

<211> 30

<212> PRT

<213> Homo sapiens

<400> 1104

Thr Val Asn Val Cys Ser Glu Leu Val Lys Leu Val Phe Cys Val Leu
1 5 10 15

Val Ser Phe Cys Val Ile Lys Lys Asp His Gln Ser Arg Asn
20 25 30

<210> 1105

<211> 31

<212> PRT

<213> Homo sapiens

<400> 1105

Leu Ile Val Phe Tyr Val Leu Ser Tyr Leu Gln Pro Ala Met Ala Val
1 5 10 15

Ile Phe Ser Asn Phe Ser Ile Ile Thr Thr Ala Leu Leu Phe Arg
20 25 30

<210> 1106

<211> 27

<212> PRT

<213> Homo sapiens

<400> 1106

Phe Phe Ser Pro Ser Asn Ser Cys Leu Leu Phe Arg Asn Glu Cys Pro
1 5 10 15

Arg Lys Asp Asn Cys Thr Ala Lys Glu Trp Thr
20 25

<210> 1107

<211> 28

<212> PRT

<213> Homo sapiens

<400> 1107

Tyr Phe Phe Gly Ile Leu Phe Asn Gly Leu Thr Leu Gly Leu Gln Arg
1 5 10 15

Ser Asn Arg Asp Gln Ile Lys Asn Cys Gly Phe Phe
20 25

<210> 1108

<211> 94

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1108

Asn Ser Val Pro Asn Leu Gln Thr Leu Ala Val Leu Thr Glu Ala Ile
1 5 10 15

Gly Pro Glu Pro Ala Ile Pro Arg Xaa Pro Arg Glu Pro Pro Val Ala
20 25 30

Thr Ser Thr Pro Ala Thr Pro Ser Ala Gly Pro Gln Pro Leu Pro Thr
35 40 45

Gly Thr Val Leu Val Pro Gly Gly Pro Ala Pro Pro Cys Leu Gly Glu
50 55 60

Ala Trp Ala Leu Leu Leu Pro Pro Cys Arg Pro Ser Leu Thr Ser Cys
65 70 75 80

Phe Trp Ser Pro Arg Pro Ser Pro Trp Lys Glu Thr Gly Val
85 90

<210> 1109

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1109

Val Thr Ala Gly Arg Val Gly Gly Gly Gly Pro Met Pro Pro Gln Gly
 1 5 10 15

Lys Val Gly Gln Asp Pro Gln Gly Pro Ala Arg Ser Arg Leu Gly Gly
 20 25 30

Ala Gly Ala Arg Gln Arg Val Trp Gln Val Trp Thr Trp Gln Gln Ala
 35 40 45

Ala Pro Gly Gly Xaa Gly Gly Trp Arg Ala Leu Gly Gln Trp Pro Gln
 50 55 60

<210> 1110

<211> 26

<212> PRT

<213> Homo sapiens

<400> 1110

Ser Thr Pro Ala Thr Pro Ser Ala Gly Pro Gln Pro Leu Pro Thr Gly
 1 5 10 15

Thr Val Leu Val Pro Gly Gly Pro Ala Pro
 20 25

<210> 1111

<211> 19

<212> PRT

<213> Homo sapiens

<400> 1111

Gln Asp Pro Gln Gly Pro Ala Arg Ser Arg Leu Gly Gly Ala Gly Ala
 1 5 10 15

Arg Gln Arg

<210> 1112

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1112

Ala Leu Gln Leu Ala Phe Tyr Pro Asp Ala Val Glu Glu Trp Leu Glu
 1 5 10 15

Glu Asn Val His Pro Ser Leu Gln Arg Leu Gln Xaa Leu Leu Gln Asp
 20 25 30

Leu Ser Glu Val Ser Ala Pro Pro
 35 40

<210> 1113

<211> 30

<212> PRT

<213> Homo sapiens

<400> 1113

Cys His Pro Pro Ala Leu Ala Gly Thr Leu Leu Arg Thr Pro Glu Gly
 1 5 10 15

Arg Ala His Ala Arg Gly Leu Leu Leu Glu Ala Gly Gly Ala
 20 25 30

<210> 1114

<211> 59

<212> PRT

<213> Homo sapiens

<400> 1114

Gly Ser Ser Ser Thr Arg Ser Trp Phe Ser Thr Ser Ser Pro Gln Arg
 1 5 10 15

Ser Ala Ser Trp His Ser Gly Ala Pro Ser Cys Arg Ser Trp Arg Leu
 20 25 30

Pro Cys Ser Trp Leu Ser Thr Arg Met Pro Trp Arg Ser Gly Trp Arg
 35 40 45

Lys Thr Cys Thr Pro Ala Cys Ser Gly Cys Lys
 50 55

<210> 1115

<211> 83

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1115

Ala Ser Thr Leu Gln Pro Ser Leu Ser Pro Ser Ser Pro Pro Leu Xaa
 1 5 10 15

Pro Pro Val Glu Thr Ala Val Xaa Ser Arg Ala Leu Arg Arg Glu Gly
 20 25 30

Ala Gly Ser Phe Pro Gly Ser Asn Ile Leu Ala Leu Val Thr Gln Val
 35 40 45

Ser Leu His Leu Arg Ser Ser Val Asp Ala Leu Leu Glu Gly Asn Arg
 50 55 60

Tyr Val Thr Gly Trp Phe Ser Pro Tyr His Arg Gln Arg Lys Leu Ile
 65 70 75 80

His Pro Val

<210> 1116

<211> 292

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (255)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (256)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (257)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (258)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1116

Pro Leu Gly Pro Glu Lys Ala Gly Leu Ala Xaa Pro Leu Val Xaa His
1 5 10 15

Ala Ala Arg Pro Cys Pro Ser Thr Ser Leu Gln Ser Gln Cys Ser Pro
20 25 30

Ser Leu Xaa Xaa Glu Pro Xaa Xaa Pro Pro Arg Ser Xaa Val Ile Ser
35 40 45

Gly Gly Phe Asp Glu Asp Val Lys Ala Lys Val Glu Asn Leu Leu Gly
50 55 60

Ile Ser Ser Leu Glu Lys Thr Asp Pro Val Arg Gln Ala Pro Cys Ser
65 70 75 80

Pro Pro Cys Pro Leu Leu Pro Leu Pro Phe Xaa Arg Pro Trp Arg Gln
85 90 95

Leu Phe Ser Ala Gly Leu Ser Ala Gly Arg Gly Pro Ala Pro Ser Leu
100 105 110

Ala Ala Thr Ser Leu Pro Leu Ser His Lys Ser Ala Ser Ile Cys Ala
115 120 125

Ala Leu Trp Met Arg Cys Trp Arg Ala Thr Gly Met Ser Leu Ala Gly
130 135 140

Ser Ala Pro Thr Thr Ala Ser Gly Ser Ser Ser Thr Arg Ser Trp Phe
145 150 155 160

Ser Thr Ser Ser Pro Gln Arg Ser Ala Ser Trp His Ser Gly Ala Pro
 165 170 175

Ser Cys Arg Ser Trp Arg Leu Pro Cys Ser Trp Leu Ser Thr Arg Met
 180 185 190

Pro Trp Arg Ser Gly Trp Arg Lys Thr Cys Thr Pro Ala Cys Ser Gly
 195 200 205

Cys Lys Leu Cys Cys Arg Thr Ser Ala Arg Cys Leu Pro Pro Arg Cys
 210 215 220

His Pro Pro Ala Leu Ala Gly Thr Leu Leu Arg Thr Pro Glu Gly Arg
 225 230 235 240

Ala His Ala Arg Gly Leu Leu Leu Glu Ala Gly Gly Ala Leu Xaa Xaa
 245 250 255

Xaa Xaa Ala Trp Ala Ile Arg Pro Thr Trp Ala Ser Cys Pro Leu Ala
 260 265 270

Gln Gln Cys Leu Ala His Thr Gln Phe Leu Arg Ala Leu Gly Ser Pro
 275 280 285

Trp Gly Arg Asp
 290

<210> 1117

<211> 235

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (164)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (209)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (210)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (211)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1117

Phe Gln Glu Asp Leu Met Lys Met Leu Lys Arg Lys Trp Arg Thr Phe
 1 5 10 15

Ser Gly Phe Pro Ala Trp Lys Lys Arg Thr Leu Leu Gly Lys His Pro
 20 25 30

Ala Ala Leu Pro Val Pro Phe Phe Pro Ser Pro Ser Pro Ala Arg Gly
 35 40 45

Asp Ser Cys Xaa Gln Gln Gly Ser Pro Gln Gly Gly Gly Arg Leu Leu
 50 55 60

Pro Trp Gln Gln His Pro Cys Pro Cys His Thr Ser Gln Pro Pro Ser
 65 70 75 80

Ala Gln Leu Cys Gly Cys Ala Ala Gly Gly Gln Gln Val Cys His Trp
 85 90 95

Leu Val Gln Pro Leu Pro Pro Pro Ala Glu Ala His Pro Pro Gly His
 100 105 110

Gly Ser Ala His Pro Ala Arg Ser Ala Gln Pro Pro Gly Thr Val Glu
 115 120 125

His Pro Arg Ala Gly Ala Gly Gly Cys Pro Ala Ala Gly Phe Leu Pro
 130 135 140

Gly Cys Arg Gly Gly Val Ala Gly Gly Lys Arg Ala Pro Gln Pro Ala
 145 150 155 160

Ala Ala Ala Xaa Ser Ala Ala Gly Pro Gln Arg Gly Val Cys Pro Pro
 165 170 175

Ala Ala Thr His Gln Pro Trp Gln Gly Arg Cys Ser Gly Pro Leu Arg
 180 185 190

Gly Glu Leu Met Pro Gly Gly Ser Cys Trp Arg Leu Gly Gly Leu Cys
 195 200 205

Xaa Xaa Xaa Trp Pro Gly Gln Tyr Gly Pro Arg Gly Arg Arg Ala Leu
 210 215 220

Trp Pro Ser Ser Val Leu Pro Thr Leu Ser Ser
 225 230 235

<210> 1118

<211> 241

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (197)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (198)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (202)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (203)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (206)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (207)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (227)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1118
 Ala Leu Pro Ser Gly Val Leu Ser Asn Val Pro Ala Arg Ala Gly Gly
 1 5 10 15
 Trp Gln Arg Gly Gly Arg His Leu Ala Glu Val Leu Gln Gln Ser Leu
 20 25 30
 Gln Pro Leu Gln Ala Gly Val His Val Phe Leu Gln Pro Leu Leu His
 35 40 45
 Gly Ile Arg Val Glu Ser Gln Leu Gln Gly Ser Leu Gln Leu Leu His
 50 55 60
 Glu Gly Ala Pro Leu Cys Gln Glu Ala Glu Arg Cys Gly Leu Asp Val
 65 70 75 80
 Leu Asn His Asp Arg Val Asp Glu Leu Pro Leu Ala Val Val Gly Ala
 85 90 95
 Glu Pro Ala Ser Asp Ile Pro Val Ala Leu Gln Gln Arg Ile His Arg
 100 105 110
 Ala Ala Gln Met Glu Ala Asp Leu Cys Asp Lys Gly Lys Asp Val Ala
 115 120 125

Ala Arg Glu Gly Ala Gly Pro Leu Pro Ala Glu Ser Pro Ala Glu Asn
130 135 140

Ser Cys Leu His Gly Arg Xaa Lys Gly Arg Gly Arg Arg Gly Gln Gly
145 150 155 160

Gly Leu Gln Gly Ala Cys Leu Thr Gly Ser Val Phe Ser Arg Leu Glu
165 170 175

Ile Pro Arg Arg Phe Ser Thr Phe Ala Leu Thr Ser Ser Ser Asn Pro
180 185 190

Pro Glu Ile Thr Xaa Xaa Arg Gly Gly Xaa Xaa Gly Ser Xaa Xaa Arg
195 200 205

Glu Gly Leu His Trp Asp Cys Arg Leu Val Leu Gly His Gly Arg Ala
210 215 220

Ala Trp Xaa Thr Asn Gly Gln Ala Asn Pro Ala Phe Ser Gly Pro Lys
225 230 235 240

Gly

<210> 1119

<211> 29

<212> PRT

<213> Homo sapiens

<400> 1119

Arg Gln Leu Phe Ser Ala Gly Leu Ser Ala Gly Arg Gly Pro Ala Pro
1 5 10 15

Ser Leu Ala Ala Thr Ser Leu Pro Leu Ser His Lys Ser
20 25

<210> 1120

<211> 28

<212> PRT

<213> Homo sapiens

<400> 1120

Glu Leu Pro Leu Ala Val Val Gly Ala Glu Pro Ala Ser Asp Ile Pro
1 5 10 15

Val Ala Leu Gln Gln Arg Ile His Arg Ala Ala Gln
20 25

<210> 1121

<211> 27

<212> PRT

<213> Homo sapiens

<400> 1121

Gln Pro Pro Gly Thr Val Glu His Pro Arg Ala Gly Ala Gly Gly Cys
 1 5 10 15

Pro Ala Ala Gly Phe Leu Pro Gly Cys Arg Gly
 20 25

<210> 1122

<211> 17

<212> PRT

<213> Homo sapiens

<400> 1122

Ser Val Phe Glu Arg Thr Asn Glu Phe Arg Asp Val Leu Trp Ser Ser
 1 5 10 15

Ile

<210> 1123

<211> 97

<212> PRT

<213> Homo sapiens

<400> 1123

Gly Val Val Gln Val Thr Phe Met Ser Ser Val Ser Arg Val Thr Trp
 1 5 10 15

Gly Cys Gln Pro Ser Ile Cys Pro Gly Ala Pro Pro Ala Ala Ala Leu
 20 25 30

Ala Gly Gly Leu Arg Leu Leu Phe Glu Arg Glu Leu Phe Gly Leu Pro
 35 40 45

Val Ser Ser Pro Leu Ile Cys Ser Phe Leu Glu His His Pro Arg Thr
 50 55 60

Ser Pro Pro Pro Ser Asp Cys Glu Leu Leu Glu Gly Arg Ser Cys Val
 65 70 75 80

Leu Leu Phe Ile Phe Leu Ser Pro Glu Pro Cys Thr Asp Pro Gly Met
 85 90 95

Trp

<210> 1124

<211> 101

<212> PRT

<213> Homo sapiens

<400> 1124

Ser Lys Gln Ile His Ser Phe Val His Ser Phe Ile His Leu Phe Asn
 1 5 10 15

Thr His Leu Leu Ser Thr Tyr His Ile Pro Gly Ser Val Gln Gly Ser

20

25

30

Gly Asp Arg Lys Met Asn Arg Arg Thr Gln Leu Leu Pro Ser Arg Ser
 35 40 45

Ser Gln Ser Asp Gly Gly Gly Asp Val Leu Gly Trp Cys Ser Lys Lys
 50 55 60

Glu Gln Ile Arg Gly Glu Glu Thr Gly Arg Pro Asn Ser Ser Leu Ser
 65 70 75 80

Lys Arg Ser Leu Arg Pro Pro Ala Arg Ala Ala Gly Gly Ala Pro
 85 90 95

Gly Gln Met Leu Gly
 100

<210> 1125

<211> 28

<212> PRT

<213> Homo sapiens

<400> 1125

Val Thr Trp Gly Cys Gln Pro Ser Ile Cys Pro Gly Ala Pro Pro Ala
 1 5 10 15

Ala Ala Leu Ala Gly Gly Leu Arg Leu Leu Phe Glu
 20 25

<210> 1126

<211> 23

<212> PRT

<213> Homo sapiens

<400> 1126

Glu Gln Ile Arg Gly Glu Glu Thr Gly Arg Pro Asn Ser Ser Leu Ser
 1 5 10 15

Lys Arg Ser Leu Arg Pro Pro
 20

<210> 1127

<211> 130

<212> PRT

<213> Homo sapiens

<400> 1127

Gln Trp Glu His Leu Leu Leu Leu Pro His Leu Leu Arg Gly Ala His
 1 5 10 15

Arg Asp Pro Gly Asp Ile Leu Pro Leu Ala Pro Arg Ser Glu Cys Arg
 20 25 30

Ala Asn Ser Ile Lys Glu Tyr Gln Lys Ser Ile Trp Lys Val Tyr Val
 35 40 45

Val Arg Leu Arg Leu Leu Lys Pro Gln Pro Asn Ile Ile Pro Thr Val
50 55 60

Lys Lys Ile Val Leu Leu Ala Gly Trp Ala Leu Phe Leu Phe Leu Ala
65 70 75 80

Tyr Lys Val Ser Lys Thr Asp Arg Glu Tyr Gln Glu Tyr Asn Pro Tyr
85 90 95

Glu Val Leu Asn Leu Asp Pro Gly Ala Thr Val Ala Glu Ile Lys Lys
100 105 110

Gln Tyr Arg Leu Leu Ser Leu Lys Tyr His Pro Asp Lys Gly Gly Asp
115 120 125

Glu Val
130

<210> 1128

<211> 65

<212> PRT

<213> Homo sapiens

<400> 1128

Glu Glu Arg Gly Gly Gly Gly Gly Ala Met Ala Gly Gln Gln Phe Gln
1 5 10 15

Tyr Asp Asp Ser Gly Asn Thr Phe Phe Tyr Phe Leu Thr Ser Phe Val
20 25 30

Gly Leu Ile Val Ile Pro Ala Thr Tyr Tyr Leu Trp Pro Arg Asp Gln
35 40 45

Asn Ala Glu Gln Ile Arg Leu Lys Asn Ile Arg Lys Val Tyr Gly Arg
50 55 60

Cys
65

<210> 1129

<211> 220

<212> PRT

<213> Homo sapiens

<400> 1129

Arg Leu Tyr Thr Gly Cys Val Ile Phe Asp Leu Val Ser Asn Arg Ala
1 5 10 15

Leu Ser Phe Arg Cys Met Leu Cys Cys Asn Ser Cys His Ser Ala Ser
20 25 30

Ser Ser Leu Phe Cys Phe Ser Ser Cys Ser Leu Ser Glu Ser Leu Ser
35 40 45

Leu Pro Ser Ser Phe Ser Leu Trp Glu Ser Leu Leu Val Ser Ser Ser

50		55		60
Ser Glu Ser Leu Pro Leu Ser Glu Thr Ser Ser Ser Ser Ser Phe Thr				
65		70	75	80
Ala Ala Ser Phe Pro Thr Thr Pro Phe Ala Cys Phe Cys Phe Cys Cys				
	85	90		95
Phe Asp Cys Gly Asn Ser Thr Gly Val Gly Phe Phe Phe Lys Gly Phe				
	100	105		110
Phe Phe Phe Asp Leu Ala Val Phe Leu Gly Pro Leu Leu Phe Cys Cys				
	115	120		125
His Pro Pro Phe Val Leu Phe Leu Leu Val Ser Pro Cys Pro Ser Ser				
	130	135	140	
Ala Gly Cys Ser Ser Ala Ala Gln Met Asp Cys Ser Phe Ser Asn Thr				
145	150	155		160
Ser Ala Ile Val Cys Leu Val Asn Leu Thr Asn Thr Val Thr Lys Asp				
	165	170		175
Pro Thr Val Met Leu Leu Leu Ser Ser Ser Ser Asn Thr Cys Asp Phe				
	180	185		190
Ile Ser Met Val Thr Tyr Gly Lys Leu Pro Arg Thr Ala Ile Thr Ser				
	195	200	205	
Ser Tyr Phe Ser Ser Ser Arg Lys Cys Ser Arg Val				
	210	215	220	

<210> 1130

<211> 35

<212> PRT

<213> Homo sapiens

<400> 1130

Tyr Gln Lys Ser Ile Trp Lys Val Tyr Val Val Arg Leu Arg Leu Leu
1 5 10 15

Lys Pro Gln Pro Asn Ile Ile Pro Thr Val Lys Lys Ile Val Leu Leu
20 25 30

Ala Gly Trp
35

<210> 1131

<211> 35

<212> PRT

<213> Homo sapiens

<400> 1131

Cys His Pro Pro Phe Val Leu Phe Leu Leu Val Ser Pro Cys Pro Ser
1 5 10 15

Ser Ala Gly Cys Ser Ser Ala Ala Gln Met Asp Cys Ser Phe Ser Asn
 20 25 30

Thr Ser Ala
 35

<210> 1132
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 1132
 Gly Thr Ser Leu Asp Ala Ala Ala Thr Ala Ala Ser Leu Ser Pro Arg
 1 5 10 15

Gly Cys Arg Leu Arg Thr Pro Ser Ser Asp
 20 25

<210> 1133
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 1133
 Gln Ile Gln Arg His Thr Arg Ala Pro Lys Gln Leu Ile Pro Leu Met
 1 5 10 15

Thr Pro Arg Arg Ser Leu Arg Asp His Pro Gln Ala Gln Thr Ser Arg
 20 25 30

Gln Thr Pro Arg Pro Ser Ser His Leu Val Phe Met Arg Met Thr Pro
 35 40 45

Ser Ser Met Met Asn Thr Pro Ser Gly Asn Gly Gly Cys Trp Ser Gln
 50 55 60

Leu Cys Cys Ser Ser Gln Ala Ser Ser Ser Ser Pro Val Ala Ser Ala
 65 70 75 80

Gly Ser Cys Pro Gly Tyr Ala Gly Ile Ile Ala Gly Glu Ser Ile Arg
 85 90 95

Asn Arg Ser

<210> 1134
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 1134
 Pro Arg Arg Ser Leu Arg Asp His Pro Gln Ala Gln Thr Ser Arg Gln
 1 5 10 15

Thr Pro Arg Pro Ser Ser His Leu Val Phe Met

20

25

<210> 1135

<211> 129

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1135

Thr	His	Pro	Pro	Glu	Thr	Gly	Ala	Val	Gly	Arg	Ser	Cys	Ala	Val	His
1				5					10					15	

His	Arg	His	His	His	Pro	His	Gln	Trp	Gln	Val	Gln	Ala	Ala	Val	Pro
			20				25						30		

Val	Met	Pro	Glu	Ser	Leu	Gln	Val	Ser	Pro	Ser	Glu	Thr	Gly	Ala	Asp
		35				40					45				

Asn	Xaa	Leu	Gly	Thr	Arg	Arg	Pro	Ser	Pro	Leu	Pro	Ala	His	Arg	Ala
	50					55					60				

Gln	Pro	Pro	Ala	Ser	Pro	Arg	Arg	Ala	Trp	Pro	Glu	Arg	Glu	Asp	Thr
65					70					75					80

Asp	Asp	Glu	Ala	Gly	Ala	Arg	Ala	Ala	Gly	Pro	Ser	Leu	Leu	Pro	Pro
				85					90					95	

Pro	Thr	Leu	Pro	Ala	Pro	Glu	Gly	Tyr	Leu	Ala	Pro	Trp	Gly	Leu	Ser
		100						105					110		

Leu	Lys	Leu	Ser	Pro	Leu	Leu	Arg	Gln	Lys	Val	Lys	His	Cys	Gly	Leu
		115					120					125			

Cys

<210> 1136

<211> 36

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1136

Pro	Glu	Ser	Leu	Gln	Val	Ser	Pro	Ser	Glu	Thr	Gly	Ala	Asp	Asn	Xaa
1				5					10					15	

Leu	Gly	Thr	Arg	Arg	Pro	Ser	Pro	Leu	Pro	Ala	His	Arg	Ala	Gln	Pro
			20					25						30	

Pro Ala Ser Pro
35

<210> 1137
<211> 79
<212> PRT
<213> Homo sapiens

<400> 1137
Gly Thr Ala Pro Lys Ala Pro Gly Ser Leu Gln Gly Arg Ala Gly Leu
1 5 10 15

Gly Glu Val Gly Asp Ser Asp Arg Gln Pro Trp Leu Gln Leu His His
20 25 30

Leu Cys Leu Pro Ser Leu Ala Arg Leu Phe Glu Gly Met Gln Glu Ala
35 40 45

Gly His Gly Glu Leu Ala Gly Gly Leu Val Phe Gly Cys Pro Ala Gly
50 55 60

Cys Gln Leu Leu Phe Leu Met Asp Ser Pro Ala Met Ile Pro Ala
65 70 75

<210> 1138
<211> 34
<212> PRT
<213> Homo sapiens

<400> 1138
Gly Glu Val Gly Asp Ser Asp Arg Gln Pro Trp Leu Gln Leu His His
1 5 10 15

Leu Cys Leu Pro Ser Leu Ala Arg Leu Phe Glu Gly Met Gln Glu Ala
20 25 30

Gly His

<210> 1139
<211> 86
<212> PRT
<213> Homo sapiens

<400> 1139
Gly Ser Gly Gly Leu Ser Gly Arg Leu Cys Leu Gly Met Val Ser Gln
1 5 10 15

Arg Ala Ser Trp Cys His Gln Trp Asp Glu Leu Leu Trp Cys Ser Cys
20 25 30

Val Ser Leu Asp Leu Ser Leu Glu Ala His Pro Phe Leu Pro Val Ala
35 40 45

Gly Ser Gly Ser Gly Val Val Val Phe His Gln Gln Ala Arg Leu Gly
 50 55 60

Leu Glu Arg Trp Ala Gly Val Leu Cys Arg Leu His Leu Gly Leu Val
 65 70 75 80

Ser Gly Pro Glu Cys Pro
 85

<210> 1140

<211> 41

<212> PRT

<213> Homo sapiens

<400> 1140

Gln Trp Asp Glu Leu Leu Trp Cys Ser Cys Val Ser Leu Asp Leu Ser
 1 5 10 15

Leu Glu Ala His Pro Phe Leu Pro Val Ala Gly Ser Gly Ser Gly Val
 20 25 30

Val Val Phe His Gln Gln Ala Arg Leu
 35 40

<210> 1141

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1141

Met Arg Pro Asp Trp Lys Ala Gly Ala Gly Pro Gly Gly Pro Pro Gln
 1 5 10 15

Lys Pro Ala Pro Ser Ser Gln Arg Lys Pro Pro Ala Arg Pro Ser Ala
 20 25 30

Ala Ala Ala Ala Ile Ala Val Ala Ala Ala Glu Glu Glu Arg Arg Leu
 35 40 45

Arg Gln Arg Asn Arg Leu Arg Leu Glu Glu Asp Lys Pro Ala Val Glu
 50 55 60

Arg Cys Leu Glu Glu Leu Val Phe Gly Asp Val Glu Asn Asp Glu Asp
 65 70 75 80

Ala Leu Leu Arg Arg Leu Arg Gly Pro Arg Val Gln Glu His Glu Asp
 85 90 95

Ser Gly Asp Ser Glu Val Glu Asn Glu Ala Lys Gly Asn Phe Pro Pro
 100 105 110

Gln Lys Lys Pro Val Trp Val Asp Glu Glu Asp Glu Asp Glu Glu Met
 115 120 125

Val Asp Met Met Asn Asn Arg Phe Arg Lys Asp Met Met Lys Asn Ala
 130 135 140

Ser Glu Ser Lys Leu Ser Lys Asp Asn Leu Lys Lys Arg Leu Lys Glu
145 150 155 160

Glu Phe Gln His Ala Met Gly Gly Val Pro Ala Trp Ala Glu Thr Thr
165 170 175

Lys Arg Lys Thr Ser Ser Asp Asp Glu Ser Glu Glu Asp Glu Asp Asp
180 185 190

Leu Leu Gln Arg Thr Gly Asn Phe Ile Ser Thr Ser Thr Ser Leu Pro
195 200 205

Arg Gly Ile Leu Lys Met Lys Asn Cys Gln His Ala Asn Ala Glu Arg
210 215 220

Pro Thr Val Ala Arg Ile Ser Ile Cys Ala Val Pro Ser Arg Cys Thr
225 230 235 240

Asp Cys Asp Gly Cys Trp Asp
245

<210> 1142

<211> 180

<212> PRT

<213> Homo sapiens

<400> 1142

Cys Leu Glu Glu Leu Val Phe Gly Asp Val Glu Asn Asp Glu Asp Ala
1 5 10 15

Leu Leu Arg Arg Leu Arg Gly Pro Arg Val Gln Glu His Glu Asp Ser
20 25 30

Gly Asp Ser Glu Val Glu Asn Glu Ala Lys Gly Asn Phe Pro Pro Gln
35 40 45

Lys Lys Pro Val Trp Val Asp Glu Glu Asp Glu Asp Glu Glu Met Val
50 55 60

Asp Met Met Asn Asn Arg Phe Arg Lys Asp Met Met Lys Asn Ala Ser
65 70 75 80

Glu Ser Lys Leu Ser Lys Asp Asn Leu Lys Lys Arg Leu Lys Glu Glu
85 90 95

Phe Gln His Ala Met Gly Gly Val Pro Ala Trp Ala Glu Thr Thr Lys
100 105 110

Arg Lys Thr Ser Ser Asp Asp Glu Ser Glu Glu Asp Glu Asp Asp Leu
115 120 125

Leu Gln Arg Thr Gly Asn Phe Ile Ser Thr Ser Thr Ser Leu Pro Arg
130 135 140

Gly Ile Leu Lys Met Lys Asn Cys Gln His Ala Asn Ala Glu Arg Pro
145 150 155 160

Thr Val Ala Arg Ile Ser Ile Cys Ala Val Pro Ser Arg Cys Thr Asp
 165 170 175

Cys Asp Gly Cys
 180

<210> 1143
 <211> 218
 <212> PRT
 <213> Homo sapiens

<400> 1143

Leu Lys Glu Lys Ile Val Arg Ser Phe Glu Val Ser Pro Asp Gly Ser
 1 5 10 15

Phe Leu Leu Ile Asn Gly Ile Ala Gly Tyr Leu His Leu Leu Ala Met
 20 25 30

Lys Thr Lys Glu Leu Ile Gly Ser Met Lys Ile Asn Gly Arg Val Ala
 35 40 45

Ala Ser Thr Phe Ser Ser Asp Ser Lys Lys Val Tyr Ala Ser Ser Gly
 50 55 60

Asp Gly Glu Val Tyr Val Trp Asp Val Asn Ser Arg Lys Cys Leu Asn
 65 70 75 80

Arg Phe Val Asp Glu Gly Ser Leu Tyr Gly Leu Ser Ile Ala Thr Ser
 85 90 95

Arg Asn Gly Gln Tyr Val Ala Cys Gly Ser Asn Cys Gly Val Val Asn
 100 105 110

Ile Tyr Asn Gln Asp Ser Cys Leu Gln Glu Thr Asn Pro Lys Pro Ile
 115 120 125

Lys Ala Ile Met Asn Leu Val Thr Gly Val Thr Ser Leu Thr Phe Asn
 130 135 140

Pro Thr Thr Glu Ile Leu Ala Ile Ala Ser Glu Lys Met Lys Glu Ala
 145 150 155 160

Val Arg Leu Val His Leu Pro Ser Cys Thr Val Phe Ser Asn Phe Pro
 165 170 175

Val Ile Lys Asn Lys Asn Ile Ser His Val His Thr Met Asp Phe Ser
 180 185 190

Pro Arg Ser Gly Tyr Phe Ala Leu Gly Asn Glu Lys Gly Lys Ala Leu
 195 200 205

Met Tyr Arg Leu His His Tyr Ser Asp Phe
 210 215

<210> 1144

<211> 167
 <212> PRT
 <213> Homo sapiens

<400> 1144

Lys Ile Asn Gly Arg Val Ala Ala Ser Thr Phe Ser Ser Asp Ser Lys
 1 5 10 15

Lys Val Tyr Ala Ser Ser Gly Asp Gly Glu Val Tyr Val Trp Asp Val
 20 25 30

Asn Ser Arg Lys Cys Leu Asn Arg Phe Val Asp Glu Gly Ser Leu Tyr
 35 40 45

Gly Leu Ser Ile Ala Thr Ser Arg Asn Gly Gln Tyr Val Ala Cys Gly
 50 55 60

Ser Asn Cys Gly Val Val Asn Ile Tyr Asn Gln Asp Ser Cys Leu Gln
 65 70 75 80

Glu Thr Asn Pro Lys Pro Ile Lys Ala Ile Met Asn Leu Val Thr Gly
 85 90 95

Val Thr Ser Leu Thr Phe Asn Pro Thr Thr Glu Ile Leu Ala Ile Ala
 100 105 110

Ser Glu Lys Met Lys Glu Ala Val Arg Leu Val His Leu Pro Ser Cys
 115 120 125

Thr Val Phe Ser Asn Phe Pro Val Ile Lys Asn Lys Asn Ile Ser His
 130 135 140

Val His Thr Met Asp Phe Ser Pro Arg Ser Gly Tyr Phe Ala Leu Gly
 145 150 155 160

Asn Glu Lys Gly Lys Ala Leu
 165

<210> 1145

<211> 58
 <212> PRT
 <213> Homo sapiens

<400> 1145

Trp Leu Leu Gly Leu Asp Asn Ala Val Ser Leu Phe Gln Val Asp Gly
 1 5 10 15

Lys Thr Asn Pro Lys Ile Gln Ser Ile Tyr Leu Glu Arg Phe Pro Ile
 20 25 30

Phe Lys Ala Cys Phe Ser Ala Asn Gly Glu Glu Val Leu Ala Thr Ser
 35 40 45

Thr His Ser Lys Val Leu Tyr Val Tyr Asp
 50 55

<210> 1146
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 1146
 Leu Val Phe Gly Asp Val Glu Asn Asp Glu Asp Ala Leu Leu Arg Arg
 1 5 10 15
 Leu Arg Gly Pro Arg Val Gln
 20

<210> 1147
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 1147
 Lys Asn Ala Ser Glu Ser Lys Leu Ser Lys Asp Asn Leu Lys Lys Arg
 1 5 10 15
 Leu Lys Glu Glu Phe Gln His Ala Met Gly Gly Val Pro
 20 25

<210> 1148
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 1148
 Ser Leu Pro Arg Gly Ile Leu Lys Met Lys Asn Cys Gln His Ala Asn
 1 5 10 15
 Ala Glu Arg Pro Thr Val Ala
 20

<210> 1149
 <211> 246
 <212> PRT
 <213> Homo sapiens

<400> 1149
 Met Arg Ile Leu Gln Leu Ile Leu Leu Ala Leu Ala Thr Gly Leu Val
 1 5 10 15
 Gly Gly Glu Thr Arg Ile Ile Lys Gly Phe Glu Cys Lys Leu His Ser
 20 25 30
 Gln Pro Trp Gln Ala Ala Leu Phe Glu Lys Thr Arg Leu Leu Cys Gly
 35 40 45
 Ala Thr Leu Ile Ala Pro Arg Trp Leu Leu Thr Ala Ala His Cys Leu
 50 55 60
 Lys Pro Arg Tyr Ile Val His Leu Gly Gln His Asn Leu Gln Lys Glu

65		70		75		80
Glu Gly Cys Glu Gln Thr Arg Thr Ala Thr Glu Ser Phe Pro His Pro						
		85		90		95
Gly Phe Asn Asn Ser Leu Pro Asn Lys Asp His Arg Asn Asp Ile Met						
		100		105		110
Leu Val Lys Met Ala Ser Pro Val Ser Ile Thr Trp Ala Val Arg Pro						
		115		120		125
Leu Thr Leu Ser Ser Arg Cys Val Thr Ala Gly Thr Ser Cys Ser Phe						
		130		135		140
Pro Ala Gly Ala Ala Arg Pro Asp Pro Ser Tyr Ala Cys Leu Thr Pro						
		145		150		155
Cys Asp Ala Pro Thr Ser Pro Ser Leu Ser Thr Arg Ser Val Arg Thr						
		165		170		175
Pro Thr Pro Ala Thr Ser Gln Thr Pro Trp Cys Val Pro Ala Cys Arg						
		180		185		190
Lys Gly Ala Arg Thr Pro Ala Arg Val Thr Pro Gly Ala Leu Trp Ser						
		195		200		205
Val Thr Ser Leu Phe Lys Ala Leu Ser Pro Gly Ala Arg Ile Arg Val						
		210		215		220
Arg Ser Pro Glu Ser Leu Val Ser Thr Arg Lys Ser Ala Asn Met Trp						
		225		230		235
Thr Gly Ser Arg Arg Arg						
		245				

<210> 1150

<211> 228

<212> PRT

<213> Homo sapiens

<400> 1150

Glu Thr Arg Ile Ile Lys Gly Phe Glu Cys Lys Leu His Ser Gln Pro						
1		5		10		15
Trp Gln Ala Ala Leu Phe Glu Lys Thr Arg Leu Leu Cys Gly Ala Thr						
		20		25		30
Leu Ile Ala Pro Arg Trp Leu Leu Thr Ala Ala His Cys Leu Lys Pro						
		35		40		45
Arg Tyr Ile Val His Leu Gly Gln His Asn Leu Gln Lys Glu Glu Gly						
		50		55		60
Cys Glu Gln Thr Arg Thr Ala Thr Glu Ser Phe Pro His Pro Gly Phe						
		65		70		75
Asn Asn Ser Leu Pro Asn Lys Asp His Arg Asn Asp Ile Met Leu Val						

85					90					95					
Lys	Met	Ala	Ser	Pro	Val	Ser	Ile	Thr	Trp	Ala	Val	Arg	Pro	Leu	Thr
			100					105					110		
Leu	Ser	Ser	Arg	Cys	Val	Thr	Ala	Gly	Thr	Ser	Cys	Ser	Phe	Pro	Ala
			115					120					125		
Gly	Ala	Ala	Arg	Pro	Asp	Pro	Ser	Tyr	Ala	Cys	Leu	Thr	Pro	Cys	Asp
			130					135					140		
Ala	Pro	Thr	Ser	Pro	Ser	Leu	Ser	Thr	Arg	Ser	Val	Arg	Thr	Pro	Thr
			145					150					155		160
Pro	Ala	Thr	Ser	Gln	Thr	Pro	Trp	Cys	Val	Pro	Ala	Cys	Arg	Lys	Gly
				165					170					175	
Ala	Arg	Thr	Pro	Ala	Arg	Val	Thr	Pro	Gly	Ala	Leu	Trp	Ser	Val	Thr
				180					185					190	
Ser	Leu	Phe	Lys	Ala	Leu	Ser	Pro	Gly	Ala	Arg	Ile	Arg	Val	Arg	Ser
			195					200					205		
Pro	Glu	Ser	Leu	Val	Ser	Thr	Arg	Lys	Ser	Ala	Asn	Met	Trp	Thr	Gly
			210					215					220		
Ser	Arg	Arg	Arg												
			225												
<210> 1151															
<211> 74															
<212> PRT															
<213> Homo sapiens															
<400> 1151															
Cys	Lys	Leu	His	Ser	Gln	Pro	Trp	Gln	Ala	Ala	Leu	Phe	Glu	Lys	Thr
	1			5					10					15	
Arg	Leu	Leu	Cys	Gly	Ala	Thr	Leu	Ile	Ala	Pro	Arg	Trp	Leu	Leu	Thr
			20					25					30		
Ala	Ala	His	Cys	Leu	Lys	Pro	Arg	Tyr	Ile	Val	His	Leu	Gly	Gln	His
			35					40					45		
Asn	Leu	Gln	Lys	Glu	Glu	Gly	Cys	Glu	Gln	Thr	Arg	Thr	Ala	Thr	Glu
			50					55					60		
Ser	Phe	Pro	His	Pro	Gly	Phe	Asn	Asn	Ser						
			65					70							

<210> 1152

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1152
 Val Leu Gln Gly Arg Tyr Phe Ser Pro Ile Leu Glu Met Arg Arg Leu
 1 5 10 15

Arg Pro Glu Gly Xaa Xaa Asn Leu Pro Gly Gly Ser Arg Ala Gln Lys
 20 25 30

Glu Pro Arg Gln Asp Leu Thr Leu Val Leu Trp Pro His Cys Pro His
 35 40 45

Phe Ala Met Thr Arg Ser Tyr Val Pro Thr Lys Gln Cys Met Val Gln
 50 55 60

Gly Ser Phe Tyr Cys Ile Phe Ile Phe Lys Gly Pro Val Gln Asn Trp
 65 70 75 80

Cys

<210> 1153
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 1153
 Cys Pro Arg Arg Arg Thr Cys Val Arg Val Glu Lys Ser Arg Pro Phe
 1 5 10 15

Gln Cys Gln Leu His Ser Ile Ser
 20

<210> 1154
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 1154
 Pro Lys Glu Pro Gly Val Pro Glu
 1 5

<210> 1155
 <211> 104
 <212> PRT
 <213> Homo sapiens

<400> 1155

Leu Gln Leu Lys Pro Arg Asp Pro Phe Ser Thr Leu Gly Pro Asn Ala
1 5 10 15

Val Leu Ser Pro Gln Arg Leu Val Leu Glu Thr Leu Ser Lys Leu Ser
20 25 30

Ile Gln Asp Asn Asn Val Asp Leu Ile Leu Ala Thr Pro Pro Phe Ser
35 40 45

Arg Leu Glu Lys Leu Tyr Ser Thr Met Val Arg Phe Leu Ser Asp Arg
50 55 60

Lys Asn Pro Val Cys Arg Arg Trp Leu Trp Tyr Cys Trp Pro Thr Trp
65 70 75 80

Leu Arg Gly Thr Ala Trp Gln Leu Val Pro Leu Gln Cys Arg Arg Ala
85 90 95

Val Ser Ala Thr Ser Trp Ala Ser
100

<210> 1156

<211> 27

<212> PRT

<213> Homo sapiens

<400> 1156

Arg Asp Pro Phe Ser Thr Leu Gly Pro Asn Ala Val Leu Ser Pro Gln
1 5 10 15

Arg Leu Val Leu Glu Thr Leu Ser Lys Leu Ser
20 25

<210> 1157

<211> 105

<212> PRT

<213> Homo sapiens

<400> 1157

Glu Val Ile Ser Gly Leu Phe Ile Gln Ser Arg Arg Arg Glu Arg Gly
1 5 10 15

Gln Gly Val Val Gly Ser His Met Ile Leu Trp Gly Lys Ser Leu Phe
20 25 30

Phe Phe Ser Pro Gln Arg Leu Thr Lys Asn Ile Phe Lys Asn Tyr Ser
35 40 45

Leu Leu Leu Thr Gln Arg Phe Leu Phe Pro Cys Glu Thr Leu Leu Leu
50 55 60

Gln Tyr Val Tyr Ser Ile Arg Cys Thr Val Gln Tyr Met Lys Gly Ser
65 70 75 80

Thr Leu Tyr Cys Thr Gly Leu Ser Ser Glu Gln Gly Leu Phe Thr Thr
85 90 95

Ala Asn Phe Leu Ala Pro Ala Arg Leu
100 105

<210> 1158
<211> 23
<212> PRT
<213> Homo sapiens

<400> 1158
Ile Arg Cys Thr Val Gln Tyr Met Lys Gly Ser Thr Leu Tyr Cys Thr
1 5 10 15

Gly Leu Ser Ser Glu Gln Gly
20

<210> 1159
<211> 211
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (153)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1159
Met Pro Ile Ile Asp Gln Val Asn Pro Glu Leu His Asp Phe Met Gln
1 5 10 15

Ser Ala Glu Val Gly Thr Ile Phe Ala Leu Ser Trp Leu Ile Thr Trp
20 25 30

Phe Gly His Val Leu Ser Asp Phe Arg His Val Val Arg Leu Tyr Asp
35 40 45

Phe Phe Leu Ala Cys His Pro Leu Met Pro Ile Tyr Phe Ala Ala Val
50 55 60

Ile Val Leu Tyr Arg Glu Gln Glu Val Leu Asp Cys Asp Cys Asp Met
65 70 75 80

Ala Ser Val His His Leu Leu Ser Gln Ile Pro Gln Asp Leu Pro Tyr
85 90 95

Glu Thr Leu Ile Ser Arg Xaa Glu Thr Phe Leu Phe Ser Phe Pro His
100 105 110

Pro Asn Leu Leu Gly Arg Pro Leu Pro Asn Ser Lys Leu Arg Gly Arg
115 120 125

Gln Pro Leu Leu Ser Lys Thr Leu Ser Trp His Gln Pro Ser Arg Gly
130 135 140

Leu Ile Trp Cys Cys Gly Ser Gly Xaa Arg Gly Leu Leu Arg Pro Glu
145 150 155 160

Asp Arg Thr Lys Asp Val Leu Thr Lys Pro Arg Thr Asn Arg Phe Val
165 170 175

Lys Leu Ala Val Met Gly Leu Thr Val Ala Leu Gly Ala Ala Ala Leu
180 185 190

Ala Val Val Lys Ser Ala Leu Glu Trp Ala Pro Lys Phe Gln Leu Gln
195 200 205

Leu Phe Pro
210

<210> 1160

<211> 70

<212> PRT

<213> Homo sapiens

<400> 1160

Cys Pro Glu Phe Phe Ile Pro Ala Thr Leu Pro Cys Pro Phe Val Phe
1 5 10 15

Ala Phe Thr Ser Glu Ala Ser Ser Arg Ala Tyr Leu Thr Gln Arg Gly
20 25 30

Pro Gly Gly Leu Ala Gln Asn Leu Met Pro Leu Pro Val Gly Phe Trp
35 40 45

Met Gly Ser Leu Pro Pro Pro Trp Cys Trp Arg Lys Trp Val Ser Glu
50 55 60

Ala Cys Ser Cys Phe Cys
65 70

<210> 1161

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1161

Cys Arg Gln Ala Gly Ala Val Arg Gly His Pro Met Phe Gln Phe Thr
1 5 10 15

Phe Tyr Gly Val Thr Xaa Arg Phe Pro Val Thr Arg Ala Ala Gln Ala
20 25 30

Gln Gln Val Ala Lys Ala Ala Ala Ser Phe Arg Asn Pro Leu Pro Pro
 35 40 45

Thr Pro Gly Arg Trp Gln Arg Ala His Pro Lys Ala His Trp Glu Arg
 50 55 60

His Lys Ile Leu Cys Gln Ala Pro Arg Ser Pro Leu Cys Gln Val Gly
 65 70 75 80

Ser Ala Thr Gly Leu
 85

<210> 1162

<211> 217

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (109)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (159)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1162

His Ile Leu Asn Tyr Leu Met Pro Ile Ile Asp Gln Val Asn Pro Glu
 1 5 10 15

Leu His Asp Phe Met Gln Ser Ala Glu Val Gly Thr Ile Phe Ala Leu
 20 25 30

Ser Trp Leu Ile Thr Trp Phe Gly His Val Leu Ser Asp Phe Arg His
 35 40 45

Val Val Arg Leu Tyr Asp Phe Phe Leu Ala Cys His Pro Leu Met Pro
 50 55 60

Ile Tyr Phe Ala Ala Val Ile Val Leu Tyr Arg Glu Gln Glu Val Leu
 65 70 75 80

Asp Cys Asp Cys Asp Met Ala Ser Val His His Leu Leu Ser Gln Ile
 85 90 95

Pro Gln Asp Leu Pro Tyr Glu Thr Leu Ile Ser Arg Xaa Glu Thr Phe
 100 105 110

Leu Phe Ser Phe Pro His Pro Asn Leu Leu Gly Arg Pro Leu Pro Asn
 115 120 125

Ser Lys Leu Arg Gly Arg Gln Pro Leu Leu Ser Lys Thr Leu Ser Trp
 130 135 140

His Gln Pro Ser Arg Gly Leu Ile Trp Cys Cys Gly Ser Gly Xaa Arg
 145 150 155 160

Gly Leu Leu Arg Pro Glu Asp Arg Thr Lys Asp Val Leu Thr Lys Pro
 165 170 175

Arg Thr Asn Arg Phe Val Lys Leu Ala Val Met Gly Leu Thr Val Ala
 180 185 190

Leu Gly Ala Ala Ala Leu Ala Val Val Lys Ser Ala Leu Glu Trp Ala
 195 200 205

Pro Lys Phe Gln Leu Gln Leu Phe Pro
 210 215

<210> 1163

<211> 31

<212> PRT

<213> Homo sapiens

<400> 1163

Ala Glu Val Gly Thr Ile Phe Ala Leu Ser Trp Leu Ile Thr Trp Phe
 1 5 10 15

Gly His Val Leu Ser Asp Phe Arg His Val Val Arg Leu Tyr Asp
 20 25 30

<210> 1164

<211> 33

<212> PRT

<213> Homo sapiens

<400> 1164

Val Leu Thr Lys Pro Arg Thr Asn Arg Phe Val Lys Leu Ala Val Met
 1 5 10 15

Gly Leu Thr Val Ala Leu Gly Ala Ala Ala Leu Ala Val Val Lys Ser
 20 25 30

Ala

<210> 1165

<211> 20

<212> PRT

<213> Homo sapiens

<400> 1165

Gly Phe Gly Ser Val Ser Ala Ala Gly Arg Arg Ser Gly Gly Thr Trp
 1 5 10 15

Gln Pro Val Gln
 20

<210> 1166

<211> 16

<212> PRT
 <213> Homo sapiens

<400> 1166
 Pro Gly Gly Leu Ala Val Gly Ser Arg Trp Trp Ser Arg Ser Leu Thr
 1 5 10 15

<210> 1167
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 1167
 Leu Glu Pro Ser Arg Gln Arg Arg Pro Arg Arg Arg Gly Gly Thr Ser
 1 5 10 15

Arg Pro Glu Thr Asp Gln Arg Ala Lys Cys Trp Arg Gln Leu
 20 25 30

<210> 1168
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 1168
 Val Cys Leu Arg Cys Gln Asn Arg Met Glu Asn
 1 5 10

<210> 1169
 <211> 367
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (102)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1169
 Met Ala Ala Cys Thr Ala Arg Arg Pro Gly Arg Gly Gln Pro Leu Val
 1 5 10 15

Val Pro Val Ala Asp Xaa Gly Pro Val Ala Lys Ala Ala Leu Cys Ala
 20 25 30
 Ala Xaa Ala Gly Ala Phe Ser Pro Ala Ser Thr Thr Thr Thr Arg Arg
 35 40 45
 His Leu Ser Ser Arg Asn Arg Pro Glu Gly Lys Val Leu Glu Thr Val
 50 55 60
 Gly Val Phe Glu Val Pro Lys Gln Asn Gly Lys Tyr Glu Thr Gly Gln
 65 70 75 80
 Leu Phe Leu His Ser Ile Phe Gly Tyr Arg Gly Val Val Leu Phe Pro
 85 90 95
 Trp Gln Ala Arg Leu Xaa Asp Arg Asp Val Ala Ser Ala Ala Pro Glu
 100 105 110
 Lys Ala Glu Asn Pro Ala Gly His Gly Ser Lys Glu Val Lys Gly Lys
 115 120 125
 Thr His Thr Tyr Tyr Gln Val Leu Ile Asp Ala Arg Asp Cys Pro His
 130 135 140
 Ile Ser Gln Arg Ser Gln Thr Glu Ala Val Thr Phe Leu Ala Asn His
 145 150 155 160
 Asp Asp Ser Arg Ala Leu Tyr Ala Ile Pro Gly Leu Asp Tyr Val Ser
 165 170 175
 His Glu Asp Ile Leu Pro Tyr Thr Ser Thr Asp Gln Val Pro Ile Gln
 180 185 190
 His Glu Leu Phe Glu Arg Phe Leu Leu Tyr Asp Gln Thr Lys Ala Pro
 195 200 205
 Pro Phe Val Ala Arg Glu Thr Leu Arg Ala Trp Gln Glu Lys Asn His
 210 215 220
 Pro Trp Leu Glu Leu Ser Asp Val His Arg Glu Thr Thr Glu Asn Ile
 225 230 235 240
 Arg Val Thr Val Ile Pro Phe Tyr Met Gly Met Arg Glu Ala Gln Asn
 245 250 255
 Ser His Val Tyr Trp Trp Arg Tyr Cys Ile Arg Leu Glu Asn Leu Asp
 260 265 270
 Ser Asp Val Val Gln Leu Arg Glu Arg His Trp Arg Ile Phe Ser Leu
 275 280 285
 Ser Gly Thr Leu Glu Thr Val Arg Gly Arg Gly Val Val Gly Arg Glu
 290 295 300
 Pro Val Leu Ser Lys Glu Gln Pro Ala Phe Gln Tyr Ser Ser His Val
 305 310 315 320
 Ser Leu Gln Ala Ser Ser Gly His Met Trp Gly Thr Phe Arg Phe Glu

325

330

335

Arg Pro Asp Gly Ser His Phe Asp Val Arg Ile Pro Pro Phe Ser Leu
 340 345 350

Glu Ser Asn Lys Asp Glu Lys Thr Pro Pro Ser Gly Leu His Trp
 355 360 365

<210> 1170

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1170

Met Ala Ala Cys Thr Ala Arg Arg Pro Gly Arg Gly Gln Pro Leu Val
 1 5 10 15

Val Pro Val Ala Asp Xaa Gly Pro Val Ala Lys Ala Ala Leu Cys Ala
 20 25 30

Ala

<210> 1171

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1171

Met Ala Ala Cys Thr Ala Arg Arg Pro Gly Arg Gly Gln Pro Leu Val
 1 5 10 15

Val Pro Val Ala Asp Xaa Gly Pro Val Ala Lys Ala Ala Leu Cys Ala
 20 25 30

Ala

<210> 1172

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1172

Met	Ala	Ala	Cys	Thr	Ala	Arg	Arg	Pro	Gly	Arg	Gly	Gln	Pro	Leu	Val
1				5					10					15	

Val	Pro	Val	Ala	Asp	Xaa	Gly	Pro	Val	Ala	Lys	Ala	Ala	Leu	Cys	Ala
			20				25						30		

Ala

<210> 1173

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1173

Met	Ala	Ala	Cys	Thr	Ala	Arg	Arg	Pro	Gly	Arg	Gly	Gln	Pro	Leu	Val
1				5					10					15	

Val	Pro	Val	Ala	Asp	Xaa	Gly	Pro	Val	Ala	Lys	Ala	Ala	Leu	Cys	Ala
			20				25						30		

Ala

<210> 1174

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1174

Met	Ala	Ala	Cys	Thr	Ala	Arg	Arg	Pro	Gly	Arg	Gly	Gln	Pro	Leu	Val
1				5					10					15	

Val	Pro	Val	Ala	Asp	Xaa	Gly	Pro	Val	Ala	Lys	Ala	Ala	Leu	Cys	Ala
			20				25						30		

Ala

<210> 1175

<211> 35

<212> PRT
 <213> Homo sapiens

<400> 1175
 Val Leu Glu Thr Val Gly Val Phe Glu Val Pro Lys Gln Asn Gly Lys
 1 5 10 15
 Tyr Glu Thr Gly Gln Leu Phe Leu His Ser Ile Phe Gly Tyr Arg Gly
 20 25 30
 Val Val Leu
 35

<210> 1176
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 1176
 Gly Leu Asp Tyr Val Ser His Glu Asp Ile Leu Pro Tyr Thr Ser Thr
 1 5 10 15

<210> 1177
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 1177
 Asp Val His Arg Glu Thr Thr Glu Asn Ile Arg Val Thr Val Ile Pro
 1 5 10 15

Phe Tyr Met

<210> 1178
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 1178
 Trp Trp Arg Tyr Cys Ile Arg Leu Glu Asn Leu Asp Ser Asp Val Val
 1 5 10 15

Gln Leu Arg Glu Arg
 20

<210> 1179
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 1179

Pro Ala Phe Gln Tyr Ser Ser His Val Ser Leu Gln Ala Ser Ser Gly
 1 5 10 15

His Met Trp Gly Thr Phe Arg Phe Glu Arg
 20 25

<210> 1180

<211> 230

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (182)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (194)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1180

Arg Leu Pro Ser His Lys Arg Arg Cys Phe Cys Leu Val Ile Gln Lys
 1 5 10 15

Lys Ser Phe Lys Glu Phe Met Leu Asp Gly Asn Leu Ile Ser Gly Gly
 20 25 30

Val Gly Glu Asp Val Phe Met Ala Asp Ile Val Gln Ala Trp Asp Gly
 35 40 45

Ile Glu Gly Pro Thr Val Ile Met Val Ser Gln Glu Gly His Ser Phe
 50 55 60

Cys Leu Arg Ser Leu Arg Tyr Met Trp Ala Val Thr Ser Ile Asn Gln
 65 70 75 80

His Leu Ile Val Ser Val Ser Phe Ala Phe His Leu Leu Gly Ala Met
 85 90 95

Ala Ser Arg Val Leu Cys Phe Phe Trp Ser Cys Arg Ser His Ile Pro
 100 105 110

Val Xaa Gln Ser Gly Leu Pro Gly Lys Gln Asp Asp Thr Ser Val Ala
 115 120 125

Lys Asn Ala Met Lys Glu Lys Leu Pro Gly Leu Ile Phe Ser Ile Leu
 130 135 140

Phe Trp His Leu Lys His Thr Asn Cys Leu Gln His Phe Ala Leu Trp
 145 150 155 160

Ser Val Ser Gly Arg Glu Val Pro Pro Arg Arg Arg Gly Arg Arg Trp
 165 170 175

Arg Glu Gly Ser Ser Xaa Gly Arg Ala Gln Ser Gly Leu Gly His Arg
 180 185 190

Ala Xaa Val Ser Asp Arg Asp His Gln Arg Leu Pro Thr Ala Arg Pro
 195 200 205

Pro Gly Cys Thr Gly Cys His Val Pro Pro Glu Arg Arg Pro Ala Ala
 210 215 220

Asp Thr Glu Pro Asn Pro
 225 230

<210> 1181

<211> 31

<212> PRT

<213> Homo sapiens

<400> 1181

Lys Glu Phe Met Leu Asp Gly Asn Leu Ile Ser Gly Gly Val Gly Glu
 1 5 10 15

Asp Val Phe Met Ala Asp Ile Val Gln Ala Trp Asp Gly Ile Glu
 20 25 30

<210> 1182

<211> 29

<212> PRT

<213> Homo sapiens

<400> 1182

Ala Val Thr Ser Ile Asn Gln His Leu Ile Val Ser Val Ser Phe Ala
 1 5 10 15

Phe His Leu Leu Gly Ala Met Ala Ser Arg Val Leu Cys
 20 25

<210> 1183

<211> 20

<212> PRT

<213> Homo sapiens

<400> 1183

Thr Ala Arg Pro Pro Gly Cys Thr Gly Cys His Val Pro Pro Glu Arg
 1 5 10 15

Arg Pro Ala Ala
 20

<210> 1184

<211> 11

<212> PRT
 <213> Homo sapiens

<400> 1184
 Ser Leu Cys Cys Pro Glu Gly Ala Glu Gly Cys
 1 5 10

<210> 1185
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 1185
 Gln Leu Lys Lys Thr His Tyr Asp Arg Pro Cys Pro
 1 5 10

<210> 1186
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 1186
 Gln Leu Lys Lys Thr His Tyr Asp Arg Pro Cys Pro
 1 5 10

<210> 1187
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 1187
 Met Asn Arg Pro Cys Pro Phe Cys Leu Trp Lys Val Phe Pro Leu Leu
 1 5 10 15

Leu Leu Leu His Glu Glu Leu Phe Pro Leu Pro Val Pro
 20 25

<210> 1188
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 1188
 Lys Glu Lys Thr Phe Thr Pro Arg Asn Ser Leu Cys Cys Pro Glu Gly
 1 5 10 15

Ala Glu Gly Cys Ile Ala Gly Gly Asp Leu Gln Leu Lys Lys Thr His
 20 25 30

Tyr

<210> 1189

<211> 170
 <212> PRT
 <213> Homo sapiens

<400> 1189

Ala Gln Arg Lys Lys Glu Met Val Leu Ser Glu Lys Val Ser Gln Leu
 1 5 10 15

Met Glu Trp Thr Asn Lys Arg Pro Val Ile Arg Met Asn Gly Asp Lys
 20 25 30

Phe Arg Arg Leu Val Lys Ala Pro Pro Arg Asn Tyr Ser Val Ile Val
 35 40 45

Met Phe Thr Ala Leu Gln Leu His Arg Gln Cys Val Val Cys Lys Gln
 50 55 60

Ala Asp Glu Glu Phe Gln Ile Leu Ala Asn Ser Trp Arg Tyr Ser Ser
 65 70 75 80

Ala Phe Thr Asn Arg Ile Phe Phe Ala Met Val Asp Phe Asp Glu Gly
 85 90 95

Ser Asp Val Phe Gln Met Leu Asn Met Asn Ser Ala Pro Thr Phe Ile
 100 105 110

Asn Phe Pro Ala Lys Gly Lys Pro Lys Arg Gly Asp Thr Tyr Glu Leu
 115 120 125

Gln Val Arg Gly Phe Ser Ala Glu Gln Ile Ala Arg Trp Ile Ala Asp
 130 135 140

Arg Thr Asp Val Asn Ile Arg Val Ile Arg Pro Pro Asn Met Ala Ala
 145 150 155 160

Arg Trp Arg Phe Trp Cys Val Ser Val Thr
 165 170

<210> 1190
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 1190

Met Val Val Ala Leu Leu Ile Val Cys Asp Val Pro Ser Ala Ser
 1 5 10 15

<210> 1191
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 1191

Ala Gln Arg Lys Lys Glu Met Val Leu Ser Glu Lys Val Ser Gln Leu
 1 5 10 15

<210> 1192
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 1192
 Met Glu Trp Thr Asn Lys Arg Pro Val Ile Arg Met Asn Gly Asp Lys
 1 5 10 15

Phe

<210> 1193
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 1193
 Arg Arg Leu Val Lys Ala Pro Pro Arg Asn Tyr Ser Val Ile Val Met
 1 5 10 15

Phe Thr Ala Leu Gln Leu His Arg Gln Cys Val Val Cys Lys Gln Ala
 20 25 30

Asp Glu Glu Phe Gln Ile Leu Ala Asn Ser Trp Arg Tyr Ser Ser Ala
 35 40 45

Phe Thr Asn Arg Ile Phe Phe Ala
 50 55

<210> 1194
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 1194
 Met Val Asp Phe Asp Glu Gly Ser Asp Val Phe Gln Met Leu Asn Met
 1 5 10 15

Asn Ser Ala Pro Thr Phe Ile Asn Phe Pro Ala Lys Gly Lys Pro
 20 25 30

<210> 1195
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 1195
 Lys Arg Gly Asp Thr Tyr Glu Leu Gln Val Arg Gly Phe Ser Ala Glu
 1 5 10 15

Gln Ile Ala Arg Trp Ile Ala Asp Arg Thr Asp Val Asn Ile Arg Val
 20 25 30

Ile Arg Pro Pro Asn
 35

<210> 1196
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 1196
 Tyr Ala Gly Pro Leu Met Leu Gly Leu Leu Leu Ala Val Ile Gly Gly
 1 5 10 15

Leu Val Tyr Leu Arg Arg Val Ile Trp Asn Phe Ser Leu Ile Lys Leu
 20 25 30

Asp Gly Leu Leu Gln Leu Cys Val Leu Cys Leu Leu
 35 40

<210> 1197
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 1197
 Asp Ala Val Phe Lys Gly Phe Ser Asp Cys Leu Leu Lys Leu Gly Asp
 1 5 10 15

Ser

<210> 1198
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 1198
 Cys Gln Glu Gly Ala Lys Asp Met Trp Asp Lys Leu Arg Lys Glu Ser
 1 5 10 15

Lys Asn Leu Asn
 20

<210> 1199
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 1199
 Val Leu Leu Val Ser Leu Ser Ala Ala Leu Ala Thr Trp Leu Ser Phe
 1 5 10 15

<210> 1200
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 1200
 Met Gly Leu Lys Leu Asn Gly Arg Tyr Ile Ser Leu Ile Leu Ala Val
 1 5 10 15
 Gln Ile Ala Tyr Leu Val Gln Ala Val Arg Ala Ala Gly Lys Cys Asp
 20 25 30
 Ala Val Phe Lys Gly Phe Ser Asp Cys Leu Leu Lys Leu Gly Asp Ser
 35 40 45

<210> 1201
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 1201
 Pro Ala Ala Trp Asp Asp Lys Thr Asn Ile Lys Thr Val Cys Thr Tyr
 1 5 10 15
 Trp Glu Asp Phe His Ser Cys Thr Val Thr Ala Leu Thr Asp Cys Gln
 20 25 30
 Glu Gly Ala Lys Asp Met Trp Asp Lys Leu Arg Lys Glu Ser Lys Asn
 35 40 45
 Leu Asn Ile Gln Gly Ser Leu Phe Glu Leu Cys Gly Ser Gly Asn Gly
 50 55 60
 Ala Ala Gly Ser Leu Leu Pro Ala Phe Pro Val Leu Leu Val Ser Leu
 65 70 75 80
 Ser Ala Ala Leu Ala Thr Trp Leu Ser Phe
 85 90

<210> 1202
 <211> 143
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (52)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (53)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1202

Met Gly Leu Lys Leu Asn Gly Arg Tyr Ile Ser Leu Ile Leu Ala Val
 1 5 10 15

Gln Ile Ala Tyr Leu Val Gln Ala Val Arg Ala Ala Gly Lys Cys Asp
 20 25 30

Ala Val Phe Lys Gly Phe Ser Asp Cys Leu Leu Lys Leu Gly Asp Ser
 35 40 45

Xaa Xaa Xaa Xaa Xaa Pro Ala Ala Trp Asp Asp Lys Thr Asn Ile Lys
 50 55 60

Thr Val Cys Thr Tyr Trp Glu Asp Phe His Ser Cys Thr Val Thr Ala
 65 70 75 80

Leu Thr Asp Cys Gln Glu Gly Ala Lys Asp Met Trp Asp Lys Leu Arg
 85 90 95

Lys Glu Ser Lys Asn Leu Asn Ile Gln Gly Ser Leu Phe Glu Leu Cys
 100 105 110

Gly Ser Gly Asn Gly Ala Ala Gly Ser Leu Leu Pro Ala Phe Pro Val
 115 120 125

Leu Leu Val Ser Leu Ser Ala Ala Leu Ala Thr Trp Leu Ser Phe
 130 135 140

<210> 1203
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 1203

Met Asn Ser Ala Ala Gly Phe Ser His Leu Asp Arg Arg Glu Arg Val
 1 5 10 15

Leu Lys Leu Gly Glu Ser Phe Glu Lys Gln Pro Arg Cys Ala Ser Thr
 20 25 30

Leu Cys

<210> 1204
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 1204
 Thr Ile Tyr Pro Thr Glu Glu Glu Leu Gln Ala Val Gln Lys Ile Val
 1 5 10 15

Ser Ile Thr Glu Arg Ala Leu Lys Leu Val Ser Asp
 20 25

<210> 1205
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 1205
 Arg Ala Leu Lys Gly Val Leu Arg Val Gly Val Leu Ala Lys Gly Leu
 1 5 10 15

Leu Leu Arg Gly Asp Arg Asn Val Asn Leu Val Leu Leu Cys
 20 25 30

<210> 1206
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 1206
 Ala Leu Ala Ala Leu Arg His Ala Lys Trp Phe Gln Ala Arg Ala Asn
 1 5 10 15

Gly Leu Gln Ser Cys Val Ile Ile Ile Arg Ile Leu Arg Asp Leu Cys
 20 25 30

Gln Arg Val Pro Thr Trp Ser
 35

<210> 1207
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 1207
 Gly Asp Ala Leu Arg Arg Val Phe Glu Cys Ile Ser Ser Gly Ile Ile
 1 5 10 15

Leu

<210> 1208

<211> 16

<212> PRT

<213> Homo sapiens

<400> 1208

Leu	Ala	Phe	Arg	Gln	Ile	His	Lys	Val	Leu	Gly	Met	Asp	Pro	Leu	Pro
1				5					10					15	

<210> 1209

<211> 342

<212> PRT

<213> Homo sapiens

<400> 1209

Thr	Ile	Tyr	Pro	Thr	Glu	Glu	Glu	Leu	Gln	Ala	Val	Gln	Lys	Ile	Val
1				5				10						15	

Ser	Ile	Thr	Glu	Arg	Ala	Leu	Lys	Leu	Val	Ser	Asp	Ser	Leu	Ser	Glu
			20					25					30		

His	Glu	Lys	Asn	Lys	Asn	Lys	Glu	Gly	Asp	Asp	Lys	Lys	Glu	Gly	Gly
		35					40					45			

Lys	Asp	Arg	Ala	Leu	Lys	Gly	Val	Leu	Arg	Val	Gly	Val	Leu	Ala	Lys
	50					55					60				

Gly	Leu	Leu	Leu	Arg	Gly	Asp	Arg	Asn	Val	Asn	Leu	Val	Leu	Leu	Cys
65					70					75					80

Ser	Glu	Lys	Pro	Ser	Lys	Thr	Leu	Leu	Ser	Arg	Ile	Ala	Glu	Asn	Leu
				85					90					95	

Pro	Lys	Gln	Leu	Ala	Val	Ile	Ser	Pro	Glu	Lys	Tyr	Asp	Ile	Lys	Cys
			100					105					110		

Ala	Val	Ser	Glu	Ala	Ala	Ile	Ile	Leu	Asn	Ser	Cys	Val	Glu	Pro	Lys
			115				120						125		

Met	Gln	Val	Thr	Ile	Thr	Leu	Thr	Ser	Pro	Ile	Ile	Arg	Glu	Glu	Asn
		130				135					140				

Met	Arg	Glu	Gly	Asp	Val	Thr	Ser	Gly	Met	Val	Lys	Asp	Pro	Pro	Asp
145					150					155					160

Val	Leu	Asp	Arg	Gln	Lys	Cys	Leu	Asp	Ala	Leu	Ala	Ala	Leu	Arg	His
				165					170					175	

Ala	Lys	Trp	Phe	Gln	Ala	Arg	Ala	Asn	Gly	Leu	Gln	Ser	Cys	Val	Ile
				180				185						190	

Ile Ile Arg Ile Leu Arg Asp Leu Cys Gln Arg Val Pro Thr Trp Ser
195 200 205

Asp Phe Pro Ser Trp Ala Met Glu Leu Leu Val Glu Lys Ala Ile Ser
210 215 220

Ser Ala Ser Ser Pro Gln Ser Pro Gly Asp Ala Leu Arg Arg Val Phe
225 230 235 240

Glu Cys Ile Ser Ser Gly Ile Ile Leu Lys Gly Ser Pro Gly Leu Leu
245 250 255

Asp Pro Cys Glu Lys Asp Pro Phe Asp Thr Leu Ala Thr Met Thr Asp
260 265 270

Gln Gln Arg Glu Asp Ile Thr Ser Ser Ala Gln Phe Ala Leu Arg Leu
275 280 285

Leu Ala Phe Arg Gln Ile His Lys Val Leu Gly Met Asp Pro Leu Pro
290 295 300

Gln Met Ser Gln Arg Phe Asn Ile His Asn Asn Arg Lys Arg Arg Arg
305 310 315 320

Asp Ser Asp Gly Val Asp Gly Phe Glu Ala Glu Gly Lys Lys Asp Lys
325 330 335

Lys Asp Tyr Asp Asn Phe
340

<210> 1210

<211> 12

<212> PRT

<213> Homo sapiens

<400> 1210

Met Glu Arg His Pro Lys Lys Lys Met Cys Ser Asp
1 5 10

<210> 1211

<211> 31

<212> PRT

<213> Homo sapiens

<400> 1211

Gly Glu Asn Ser Ser Ser Asp Phe Phe Pro Leu Phe Leu Phe Tyr Phe
1 5 10 15

Leu Val Ala Leu Ala Ser Pro Pro Ile Phe Val Ser Phe Ile Asn
20 25 30

<210> 1212

<211> 24

<212> PRT

<213> Homo sapiens

<400> 1212

Met Gly Ser Gln His Ser Ala Ala Ala Arg Pro Ser Ser Cys Arg Arg
1 5 10 15

Lys Gln Glu Asp Asp Arg Asp Gly
20

<210> 1213

<211> 30

<212> PRT

<213> Homo sapiens

<400> 1213

Leu Leu Ala Glu Arg Glu Gln Glu Glu Ala Ile Ala Gln Phe Pro Tyr
1 5 10 15

Val Glu Phe Thr Gly Arg Asp Ser Ile Thr Cys Leu Thr Cys
20 25 30

<210> 1214

<211> 34

<212> PRT

<213> Homo sapiens

<400> 1214

Gln Gly Thr Gly Tyr Ile Pro Thr Glu Gln Val Asn Glu Leu Val Ala
1 5 10 15

Leu Ile Pro His Ser Asp Gln Arg Leu Arg Pro Gln Arg Thr Lys Gln
20 25 30

Tyr Val

<210> 1215

<211> 55

<212> PRT

<213> Homo sapiens

<400> 1215

Ala Arg Leu Asn Val Gly Arg Glu Ser Leu Lys Arg Glu Met Leu Lys
1 5 10 15

Ser Gln Gly Val Lys Val Ser Glu Ser Pro Met Gly Ala Arg His Ser
20 25 30

Ser Trp Pro Glu Gly Ala Ala Phe Cys Lys Lys Val Gln Gly Ala Gln
35 40 45

Met Gln Phe Pro Pro Arg Arg
50 55

<210> 1216
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 1216
 Ala Arg Leu Asn Val Gly Arg Glu Ser Leu Lys Arg Glu Met Leu
 1 5 10 15

<210> 1217
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 1217
 Leu Lys Ser Gln Gly Val Lys Val Ser Glu Ser Pro Met Gly Ala Arg
 1 5 10 15

His Ser Ser Trp
 20

<210> 1218
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 1218
 Ala Phe Cys Lys Lys Val Gln Gly Ala Gln Met Gln Phe Pro Pro Arg
 1 5 10 15

Arg

<210> 1219
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 1219
 Ala Phe Cys Lys Lys Val Gln Gly Ala Gln Met Gln Phe Pro Pro Arg
 1 5 10 15

Arg

<210> 1220
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 1220
 Asn Phe Phe Phe Val Cys Leu Phe Lys Ser Ser Leu Arg Leu Val Asn
 1 5 10 15

Ser Ser Tyr Thr Pro Ile Leu Cys Val Leu
 20 25

<210> 1221

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1221

Val Gln Val Leu Glu Gln Leu Thr Asn Asn Ala Val Ala Glu Ser Arg
 1 5 10 15

Phe Asn Asp Ala Ala Tyr Tyr Tyr Trp Met Leu Ser Met Gln Cys Leu
 20 25 30

Asp Ile Ala Gln Asp
 35

<210> 1222

<211> 34

<212> PRT

<213> Homo sapiens

<400> 1222

Pro Ala Gln Lys Asp Thr Met Leu Gly Lys Phe Tyr His Phe Gln Arg
 1 5 10 15

Leu Ala Glu Leu Tyr His Gly Tyr His Ala Ile His Arg His Thr Glu
 20 25 30

Asp Pro

<210> 1223

<211> 27

<212> PRT

<213> Homo sapiens

<400> 1223

Leu Ala Lys Gln Ser Lys Ala Leu Gly Ala Tyr Arg Leu Ala Arg His
 1 5 10 15

Ala Tyr Asp Lys Leu Arg Gly Leu Tyr Ile Pro
 20 25

<210> 1224

<211> 36

<212> PRT

<213> Homo sapiens

<400> 1224

Ala Arg Phe Gln Lys Ser Ile Glu Leu Gly Thr Leu Thr Ile Arg Ala
 1 5 10 15

Lys Pro Phe His Asp Ser Glu Glu Leu Val Pro Leu Cys Tyr Arg Cys
 20 25 30

Ser Thr Asn Asn
 35

<210> 1225

<211> 73

<212> PRT

<213> Homo sapiens

<400> 1225

Pro Leu Leu Asn Asn Leu Gly Asn Val Cys Ile Asn Cys Arg Gln Pro
 1 5 10 15

Phe Ile Phe Ser Ala Ser Ser Tyr Asp Val Leu His Leu Val Glu Phe
 20 25 30

Tyr Leu Glu Glu Gly Ile Thr Asp Glu Glu Ala Ile Ser Leu Ile Asp
 35 40 45

Leu Glu Val Leu Arg Pro Lys Arg Asp Asp Arg Gln Leu Glu Ile Cys
 50 55 60

Lys Gln Gln Leu Pro Asp Ser Cys Gly
 65 70

<210> 1226

<211> 29

<212> PRT

<213> Homo sapiens

<400> 1226

Met Pro Tyr Ala Gln Trp Leu Ala Glu Asn Asp Arg Phe Glu Glu Ala
 1 5 10 15

Gln Lys Ala Phe His Lys Ala Gly Arg Gln Arg Glu Ala
 20 25

<210> 1227

<211> 36

<212> PRT

<213> Homo sapiens

<400> 1227

Phe Ser Val His Arg Pro Glu Thr Leu Phe Asn Ile Ser Arg Phe Leu
 1 5 10 15

Leu His Ser Leu Pro Lys Asp Thr Pro Ser Gly Ile Ser Lys Val Lys
 20 25 30

Ile Leu Phe Thr
 35